

PUBLIC INFORMATION STATEMENT

NATIONAL WEATHER SERVICE LOS ANGELES/OXNARD CA
900 PM PDT JUL 31 2011

...SOUTHWESTERN CALIFORNIA 2010-2011 WATER YEAR IN REVIEW...

THE 2010-2011 WATER SEASON WAS THE SECOND CONSECUTIVE SEASON DURING WHICH ABOVE NORMAL RAINFALL FELL ACROSS THE REGION... AND WAS THE WETTEST SEASON IN MOST AREAS SINCE THE 2003-2004 SEASON. RAINFALL TOTALS WERE GENERALLY 110 TO 150 PERCENT OF NORMAL ACROSS MOST OF THE REGION...WITH SOME LOCATIONS RECEIVING UP TO AROUND 175 PERCENT OF NORMAL.

JUST A FEW OF THE NOTEWORTHY WEATHER EVENTS THAT OCCURRED DURING THIS PAST SEASON INCLUDED THE HIGHEST TEMPERATURE EVER RECORDED IN DOWNTOWN LOS ANGELES...THE WETTEST DECEMBER ON RECORD AT SEVERAL LOCATIONS...SNOW FALLING LOCALLY INTO THE COASTAL VALLEYS ON AT LEAST TWO DAYS DURING THE SEASON...AND THE WETTEST JUNE ON RECORD AT SANTA BARBARA AIRPORT.

HERE IS A SUMMARY OF THE NOTABLE WEATHER EVENTS OF THE 2010-2011 WATER YEAR.

*****JULY 2010*****

AS IS TYPICAL IN SOUTHWESTERN CALIFORNIA...JULY WAS VERY DRY...WITH MOST AREAS RECEIVING A FEW HUNDREDTHS OF RAIN OR LESS. HOWEVER... SOME THUNDERSTORM ACTIVITY DID AFFECT A FEW LOCATIONS IN THE MOUNTAINS AND DESERTS.

TEMPERATURES IN JULY WERE GENERALLY 2 TO 5 DEGREES BELOW NORMAL IN MOST COASTAL AND VALLEY AREAS...NEAR NORMAL IN THE MOUNTAINS...AND 2 TO 4 DEGREES ABOVE NORMAL IN THE DESERTS.

THE MONTH GOT OFF TO A VERY COOL START AS A PERSISTENT TROUGH ALONG THE WEST COAST MAINTAINED A DEEP AND STUBBORN MARINE LAYER ACROSS THE REGION. AVERAGE HIGH TEMPERATURES FOR THE FIRST WEEK OF JULY WERE 6 TO 9 DEGREES BELOW NORMAL IN MOST COASTAL AND VALLEY AREAS...AND WERE LOWER THAN THOSE RECORDED DURING THE FIRST WEEK IN JANUARY 2010.

ON THE 3RD...A RECORD LOW DAILY MAXIMUM TEMPERATURE OF 69 DEGREES WAS SET AT LONG BEACH AIRPORT...BREAKING THE OLD RECORD OF 72 DEGREES SET IN 1999. ON THE 4TH...THE HIGH TEMPERATURE OF 70 DEGREES AT LONG BEACH AIRPORT TIED THE RECORD FOR THE DATE SET IN 2002.

ON THE 5TH...NEW RECORD LOW DAILY MAXIMUM TEMPERATURES WERE SET AT BOTH LOS ANGELES AIRPORT WHERE THE HIGH WAS JUST 67 DEGREES...AND AT LONG BEACH AIRPORT WHERE THE HIGH WAS JUST 71 DEGREES.

ON THE 6TH...THE VERY DEEP MARINE LAYER ACTUALLY RESULTED IN SOME MEASURABLE LIGHT RAIN OR DRIZZLE ACROSS THE REGION. RAINFALL OF 0.02 INCHES AT SANTA MONICA PIER SET A RECORD FOR THE DATE. MEASURABLE RAIN HAD PREVIOUSLY NEVER BEEN RECORDED THERE ON JULY 6TH. RAINFALL OF 0.02 INCHES AT THE NATIONAL WEATHER SERVICE IN OXNARD AND 0.01 INCHES AT UCLA TIED RECORDS FOR THE DATE.

THE 6TH WAS A VERY CHILLY JULY DAY ACROSS THE REGION...AND MANY RECORD LOW MAXIMUM TEMPERATURES WERE SET OR TIED. THE HIGH TEMPERATURE OF 66 DEGREES AT LOS ANGELES AIRPORT WAS NOT ONLY A

RECORD FOR THE DATE...IT TIED THE ALL TIME RECORD LOW FOR ANY MAXIMUM TEMPERATURE DURING THE MONTH OF JULY. AT BURBANK AIRPORT...THE HIGH TEMPERATURE OF 73 DEGREES WAS A RECORD LOW MAXIMUM FOR THE DATE...AS WAS THE HIGH OF 79 DEGREES IN WOODLAND HILLS AND 74 DEGREES AT SAN GABRIEL. AT SANTA BARBARA AIRPORT AND SAN LUIS OBISPO CAL POLY...HIGH TEMPERATURES OF 67 DEGREES TIED RECORDS FOR THE DATE.

ON THE 7TH...RECORD LOW MAXIMUM TEMPERATURES WERE SET AT DOWNTOWN LOS ANGELES WITH 71 DEGREES...AT BURBANK AIRPORT WITH 74 DEGREES...IN SAN GABRIEL WITH 72 DEGREES AND AT UCLA WITH 67 DEGREES. RECORD LOW MAXIMUM TEMPERATURES WERE TIED AT LOS ANGELES AIRPORT WITH 67 DEGREES...AT LONG BEACH AIRPORT WITH 73 DEGREES...AT SANTA BARBARA AIRPORT WITH 66 DEGREES AND AT PASO ROBLES AIRPORT WITH 75 DEGREES.

ALSO ON THE 7TH...LIGHT MEASURABLE RAIN WAS REPORTED IN SOME AREAS. RECORD DAILY RAINFALL OF 0.02 INCHES WAS RECORDED AT UCLA...AND RAINFALL OF 0.01 INCHES AT CAMARILLO AIRPORT AND AT THE NATIONAL WEATHER SERVICE IN OXNARD SET RECORDS FOR THE DATE.

ON THE 8TH...A NUMBER OF RECORD LOW MAXIMUM TEMPERATURES WERE SET AGAIN...INCLUDING 70 DEGREES AT DOWNTOWN LOS ANGELES...65 DEGREES AT LOS ANGELES AIRPORT...72 DEGREES AT BURBANK AIRPORT AND SAN GABRIEL...80 DEGREES AT PIERCE COLLEGE IN WOODLAND HILLS...66 DEGREES AT UCLA AND 67 DEGREES AT SAN LUIS OBISPO CAL POLY. HIGH TEMPERATURES OF 63 DEGREES AT SANTA MONICA PIER AND 66 DEGREES AT SANTA MARIA AIRPORT TIED RECORD LOW VALUES FOR THE DATE. THE HIGH OF 65 DEGREES AT LOS ANGELES AIRPORT WAS THE LOWEST MAXIMUM TEMPERATURE EVER RECORDED THERE DURING THE MONTH OF JULY.

ON THE 9TH...THE HIGH TEMPERATURE OF 67 DEGREES AT LOS ANGELES AIRPORT SET A NEW RECORD LOW MAXIMUM FOR THE DATE...WHILE ON THE 10TH...THE HIGH OF 69 DEGREES TIED A DAILY RECORD LOW MAXIMUM. RECORD LOW MAXIMUM TEMPERATURES WERE SET OR TIED AT LOS ANGELES AIRPORT ON 6 DAYS IN A ROW FROM THE 5TH THROUGH THE 10TH.

ON THE 11TH...UPPER LEVEL SOUTHERLY FLOW BETWEEN AN UPPER LOW OFF THE COAST OF MONTEREY AND AN UPPER HIGH OVER ARIZONA PUSHED SOME MOISTURE INTO THE REGION...AND CAUSED SOME SHOWERS AND ISOLATED THUNDERSTORMS...MAINLY ACROSS WESTERN AND CENTRAL SANTA BARBARA COUNTY AND SOUTHERN SAN LUIS OBISPO COUNTY. THE HIGHEST RAINFALL TOTAL AROUND THE REGION WAS AT BRANCH MOUNTAIN...WHERE 0.19 INCHES OF RAIN WAS RECORDED. A NEW DAILY RAINFALL RECORD OF 0.02 INCHES WAS SET AT PASO ROBLES AIRPORT ON THE 11TH. THE PREVIOUS RECORD HAD BEEN A TRACE...SET IN 1990 AND 1996.

ON THE 11TH...RECORD LOW MAXIMUM TEMPERATURES WERE TIED AT LONG BEACH AIRPORT WHERE THE HIGH FOR THE DAY WAS 71 DEGREES...AND AT SAN GABRIEL WHERE THE HIGH WAS 80 DEGREES.

ON THE 12TH...THE HIGH TEMPERATURE OF 68 DEGREES AT LOS ANGELES AIRPORT SET A NEW RECORD FOR THE DATE...AND THE HIGH OF 75 DEGREES AT DOWNTOWN LOS ANGELES TIED A RECORD LOW MAXIMUM FOR THE DATE.

UPPER LEVEL HIGH PRESSURE EXPANDED INTO SOUTHERN CALIFORNIA ON THE 13TH THROUGH THE 18TH...REDUCING THE MARINE INFLUENCE...AND BRINGING SIGNIFICANT WARMING TO THE REGION.

ON THE 14TH...THE HIGH TEMPERATURE OF 83 DEGREES AT CAMARILLO AIRPORT TIED A RECORD FOR THE DATE.

THE 15TH AND 16TH WERE THE HOTTEST DAYS OF THE MONTH AND THE SUMMER SO FAR ACROSS MUCH OF SOUTHWESTERN CALIFORNIA. MANY LOCATIONS IN THE VALLEYS...FOOTHILLS AND ANTELOPE VALLEY HAD HIGH TEMPERATURES BETWEEN 100 AND 108 DEGREES BOTH DAYS. SEVERAL LOCATIONS REPORTED HEAT INDEX VALUES...A MEASURE OF DISCOMFORT CAUSED BY THE COMBINATION OF HEAT AND HUMIDITY...OF BETWEEN 102 AND 110 DEGREES.

ON THE 15TH...THE HIGH TEMPERATURE OF 108 DEGREES AT PASO ROBLES TIED THE RECORD FOR THE DATE.

ALSO ON THE 15TH...SOME THUNDERSTORMS DEVELOPED IN THE ANTELOPE VALLEY. SEVERAL LARGE TREES WERE BLOWN DOWN 3 MILES SOUTH OF PALMDALE...AND 30 UTILITY POLES SNAPPED OFF 2 TO 5 FEET ABOVE THE GROUND ON A HALF MILE LONG PATH ALONG PALMDALE BOULEVARD AND 30TH STREET EAST.

ON THE 16TH...A RECORD HIGH TEMPERATURE OF 90 DEGREES WAS SET AT UCLA...WHILE THE HIGH OF 95 DEGREES AT LONG BEACH AIRPORT TIED A RECORD FOR THE DATE.

HOT WEATHER PERSISTED THROUGH THE 18TH...THEN COOLER WEATHER RETURNED TO COASTAL AND VALLEY AREAS...WHILE THE ANTELOPE VALLEY REMAINED QUITE HOT THROUGH THE 20TH.

VERY COOL WEATHER FOR RETURNED TO AREAS WEST OF THE MOUNTAINS TOWARD THE END OF THE MONTH. ON THE 26TH...MANY RECORD LOW MAXIMUM TEMPERATURES WERE SET INCLUDING 69 DEGREES AT LOS ANGELES AIRPORT...71 DEGREES AT LONG BEACH AIRPORT...82 DEGREES AT WOODLAND HILLS...78 DEGREES AT SAN GABRIEL...66 DEGREES AT THE NATIONAL WEATHER SERVICE IN OXNARD...65 DEGREES AT SANTA BARBARA AIRPORT...AND 67 DEGREES AS SAN LUIS OBISPO CAL POLY. RECORD LOW MAXIMUM TEMPERATURES WERE TIED AT CAMARILLO AIRPORT WITH 68 DEGREES AND AT PASO ROBLES AIRPORT WITH 75 DEGREES.

ON THE 27TH...THE LOW TEMPERATURE OF 49 DEGREES AS SANTA BARBARA AIRPORT SET A NEW RECORD LOW FOR THE DATE.

ON THE 28TH...THE LOW TEMPERATURE OF 47 DEGREES AS PASO ROBLES AIRPORT SET A RECORD FOR THE DATE...AS DID THE LOW OF 56 DEGREES AT UCLA...WHILE THE LOW OF 49 DEGREES AT SANTA BARBARA AIRPORT TIED A DAILY RECORD. A NEW RECORD LOW MAXIMUM TEMPERATURE OF 68 DEGREES WAS SET AT LOS ANGELES AIRPORT...WHILE RECORD LOW MAXIMUM TEMPERATURE WERE TIED AT DOWNTOWN LOS ANGELES WITH 75 DEGREES...AT SANTA BARBARA AIRPORT WITH 68 DEGREES AND AT SAN LUIS OBISPO CAL POLY AT 69 DEGREES.

ON THE 29TH...LOW TEMPERATURES OF 56 DEGREES AT UCLA...48 DEGREES AT SANTA BARBARA AIRPORT...52 DEGREES AT CAMARILLO AIRPORT...AND 51 DEGREES AT THE NATIONAL WEATHER SERVICE IN OXNARD ESTABLISHED NEW RECORD LOWS FOR THE DATE...WHILE LOWS OF 59 DEGREES AT LOS ANGELES AIRPORT AND 49 DEGREES AT SAN LUIS OBISPO CAL POLY TIED DAILY RECORDS.

A RECORD LOW MAXIMUM HIGH TEMPERATURE OF 69 DEGREES WAS SET AT SAN LUIS OBISPO CAL POLY...WHILE HIGHS OF 70 DEGREES AT LOS ANGELES AIRPORT AND 68 DEGREES AT SANTA MARIA AIRPORT TIED RECORD FOR DAILY LOW MAXIMUM TEMPERATURES.

ON THE 31ST...THE LOW TEMPERATURE OF 59 DEGREES AT LOS ANGELES AIRPORT TIED A RECORD LOW FOR THE DATE.

.....CLIMATE DATA FOR JULY 2010.....

	AVG	AVG	AVG	NORM	MONTH	TOTAL	NORM	
PRECIP	HIGH	LOW	MONTH	MONTH	XTRMS	PRECIP	PRECIP	%
NORM	-----							
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L.A. DOWNTOWN	79.4	64.3	71.9	74.2	95/61	T	0.01	0%
L.A. ARPT	70.5	61.0	65.7	69.3	79/58	T	0.03	0%
LONG BEACH ARPT	77.0	61.8	69.4	73.8	95/59	T	0.02	0%
UCLA	73.8	60.0	66.9	69.5	90/56	0.03	0.02	150%
BURBANK ARPT	83.0	62.3	72.6	75.5	99/57	T	0.02	0%
WOODLAND HILLS	90.2	57.1	73.6	76.0	107/51	0.00	0.01	0%
LANCASTER ARPT	98.8	68.5	83.7	80.8	107/56	0.00	0.10	0%
SANDBERG	84.3	63.0	73.6	73.8	96/55	0.00	0.02	0%
CAMARILLO ARPT	73.5	58.5	66.0	65.9	84/51	0.01	0.02	50%
SANTA BARBARA ARPT	70.4	55.9	63.1	67.0	85/48	0.01	0.03	33%
SANTA MARIA ARPT	68.4	51.7	60.0	63.5	78/46	0.03	0.03	100%
PASO ROBLES ARPT	89.7	52.9	71.3	73.8	108/47	0.02	0.01	200%

*****AUGUST 2010*****

AUGUST WAS...AS IS TYPICAL...ANOTHER VERY DRY MONTH ACROSS SOUTHWESTERN CALIFORNIA...WITH MOST AREAS RECEIVING NO MEASURABLE RAINFALL DURING THE MONTH.

AVERAGE TEMPERATURES FOR THE MONTH OF AUGUST WERE GENERALLY ONE TO THREE DEGREES BELOW NORMAL...EXCEPT OVER 5 DEGREES BELOW NORMAL IN SOME AREAS NEAR THE IMMEDIATE COAST...AND JUST ABOUT NORMAL IN THE ANTELOPE VALLEY.

AUGUST 2010 WAS ONE OF THE COOLEST ON RECORD ACROSS COASTAL SITES IN SOUTHWESTERN CALIFORNIA. DURING AUGUST...AND FOR MOST OF THIS PAST METEOROLOGICAL SUMMER (THE MONTHS OF JUNE...JULY AND AUGUST)...A PERSISTENT UPPER LEVEL TROUGH HAS BEEN LOCATED ALONG OR JUST OFF THE WEST COAST. THIS MAINTAINED A SIGNIFICANT MARINE INFLUENCE ACROSS MUCH OF COASTAL SOUTHWESTERN CALIFORNIA THROUGH THE SUMMER. IN ADDITION...OCEAN WATER TEMPERATURES WERE BELOW NORMAL...SO DAILY SEA BREEZES PROVIDED SIGNIFICANT COOLING NEAR THE IMMEDIATE COAST FOR MUCH OF THE SUMMER.

THE WEATHER DURING THE FIRST HALF OF THE MONTH WAS VERY SIMILAR TO THAT OF JULY...VERY COOL WEST OF THE MOUNTAINS...WITH AVERAGE TEMPERATURES GENERALLY 3 TO 7 DEGREES BELOW NORMAL IN MOST AREAS THROUGH THE 15TH...WITH MAXIMUM TEMPERATURES AS MUCH AS 10 DEGREES BELOW NORMAL IN SOME COASTAL AREAS.

ON THE 2ND...A NEW RECORD LOW TEMPERATURE OF 55 DEGREES WAS SET AT UCLA...WHILE THE LOW OF 59 DEGREES AT LONG BEACH AIRPORT TIED A DAILY RECORD.

ON THE 5TH...A DEEP MARINE LAYER PRODUCED SOME MEASURABLE DRIZZLE ACROSS SOME COASTAL AREAS. RAINFALL OF 0.01 INCHES TIED A RECORD FOR THE DATE AT SANTA MARIA AIRPORT.

ON THE 9TH...LOW TEMPERATURES OF 50 DEGREES AT WOODLAND HILLS AND 51 DEGREES AT SANTA BARBARA AIRPORT TIED RECORDS FOR THE DATE.

ON THE 10TH...THE LOW TEMPERATURES OF 50 DEGREES AT WOODLAND HILLS AND 57 DEGREES AT UCLA TIED RECORDS FOR THE DATE.

ON THE 12TH...THE LOW TEMPERATURE OF 51 DEGREES AT SANTA BARBARA AIRPORT SET A NEW RECORD FOR THE DATE...WHILE THE LOW OF 55 DEGREES AT UCLA TIED A DAILY RECORD.

ON THE 13TH...THE LOW TEMPERATURE OF 56 DEGREES AT UCLA SET A RECORD FOR THE DATE...AND THE LOW OF 59 DEGREES AT LONG BEACH AIRPORT TIED A RECORD FOR THE DATE.

ON BOTH THE 14TH AND 15TH...LOW TEMPERATURES OF 58 DEGREES AT LONG BEACH AIRPORT SET NEW DAILY RECORDS.

STRONG HIGH PRESSURE BUILT INTO THE REGION FROM THE EAST OF THE 16TH AND 17TH...CAUSING THE MARINE LAYER TO SHRINK IN DEPTH. THE DECREASING MARINE INFLUENCE ALLOWED FOR SIGNIFICANT WARMING ACROSS COASTAL AND VALLEY AREAS ON THE 17TH...AND ABOVE NORMAL TEMPERATURES CONTINUED IN MOST AREAS THROUGH THE 26TH. HIGH TEMPERATURES IN DOWNTOWN LOS ANGELES REACHED OR EXCEEDED 90 DEGREES ON ALL BUT TWO DAYS FROM THE 18TH THROUGH THE 25TH...PEAKING AT 98 DEGREES ON THE 23RD.

THE HEAT PEAKED ACROSS THE REGION FROM THE 23RD THROUGH THE 25TH. ON THE 23RD...WHICH WAS THE HOTTEST DAY OF THE MONTH IN MANY COASTAL AREAS...THE HIGH TEMPERATURE OF 94 DEGREES AT SANTA MARIA AIRPORT SET A NEW RECORD FOR THE DATE.

ON THE 24TH...THE HIGH TEMPERATURE OF 109 DEGREES AT PASO ROBLES AIRPORT SET A RECORD FOR THE DATE...AS DID HIGHS OF 108 DEGREES AT LANCASTER AIRPORT AND 95 DEGREES AT LONG BEACH AIRPORT. HIGH TEMPERATURES OF 86 DEGREES AT CAMARILLO AIRPORT...107 DEGREES AT PALMDALE AIRPORT...89 DEGREES AT SANTA MARIA AIRPORT AND 93 DEGREES AT SAN LUIS OBISPO CAL POLY ALL TIED DAILY RECORDS.

ON THE 25TH...AN INCREASE IN HUMIDITY CAUSED HEAT INDEX VALUES TO RISE TO BETWEEN 104 AND 110 DEGREES ACROSS THE VALLEYS AND FOOTHILLS OF LOS ANGELES AND VENTURA COUNTIES...AS WELL AS THE ANTELOPE VALLEY. A NEW RECORD DAILY HIGH TEMPERATURE OF 107 DEGREES WAS SET AT LANCASTER AIRPORT...AND THE HIGH OF 96 DEGREES AT SANDBERG ALSO SET A RECORD FOR THE DATE. COOL WEATHER RETURNED TO THE IMMEDIATE COAST. THE HIGH TEMPERATURE OF 67 DEGREES AT SANTA BARBARA AIRPORT SET A NEW RECORD LOW MAXIMUM FOR THE DATE.

THE INCREASE IN MOISTURE ON THE 25TH ALLOWED FOR SOME THUNDERSTORM DEVELOPMENT ACROSS THE EASTERN SAN GABRIEL MOUNTAINS AND THE ANTELOPE VALLEY DURING THE AFTERNOON. HEAVY RAINFALL...WITH RATES UP TO 2 INCHES PER HOUR AFFECTED PORTIONS OF THE PALMDALE METROPOLITAN AREA...AND SOME FLOODING WAS REPORTED IN STREETS AND YARDS.

MONSOONAL MOISTURE LINGERED OVER EASTERN LOS ANGELES COUNTY ON THE 26TH...AND ADDITIONAL THUNDERSTORMS DEVELOPED DURING THE AFTERNOON HOURS IN EASTERN PORTIONS OF THE ANTELOPE VALLEY. WHILE IT REMAINED HOT INLAND...COOL WEATHER CONTINUED AT THE COAST. RECORD LOW MAXIMUM TEMPERATURES WERE SET AT LOS ANGELES AIRPORT AND AT THE NATIONAL WEATHER SERVICE IN OXNARD...WITH HIGHS OF 70 AND 69 RESPECTIVELY.

	AVG	AVG	AVG	NORM	MONTH	TOTAL	NORM	
PRECIP								
	HIGH	LOW	MONTH	MONTH	XTRMS	PRECIP	PRECIP	%
NORM								

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L.A. DOWNTOWN	83.2	64.0	73.6	75.2	98/59	0.00	0.13	0%
L.A. ARPT	71.4	60.3	65.8	70.7	83/57	0.00	0.14	0%
LONG BEACH ARPT	81.6	61.6	71.6	75.1	96/58	0.00	0.10	0%
UCLA	76.7	59.3	68.0	70.7	91/55	0.00	0.16	0%
BURBANK ARPT	87.2	62.3	74.7	76.2	103/56	0.00	0.18	0%
WOODLAND HILLS	93.5	55.4	74.5	76.8	111/49	0.00	0.15	0%
LANCASTER ARPT	95.9	62.8	79.4	79.5	108/53	0.00	0.14	0%
SANDBERG	83.5	61.4	72.4	73.8	96/45	0.00	0.09	0%
CAMARILLO ARPT	74.5	56.5	65.5	67.0	87/51	0.00	0.07	0%
SANTA BARBARA ARPT	70.5	53.6	62.1	68.6	79/48	0.00	0.11	0%
SANTA MARIA ARPT	70.0	52.1	61.0	64.2	94/48	0.01	0.05	20%
PASO ROBLES ARPT	91.3	52.4	71.8	73.7	109/46	0.00	0.06	0%

*****SEPTEMBER 2010*****

MOST AREAS RECEIVED NO MEASURABLE RAIN DURING THE MONTH OF SEPTEMBER. ALTHOUGH THE THREAT OF RAIN TYPICALLY BEGINS TO INCREASE SOMEWHAT ACROSS SOUTHWESTERN CALIFORNIA BY LATE SEPTEMBER...NORMAL RAINFALL AVERAGES LESS THAN ONE HALF INCH IN MOST LOCATIONS.

AVERAGE TEMPERATURES FOR THE MONTH OF SEPTEMBER WERE GENERALLY WITHIN A DEGREE OR TWO OR NORMAL...EXCEPT LOCALLY MORE THAN 3 DEGREES BELOW NORMAL NEAR THE IMMEDIATE COAST.

THE FIRST FIVE DAYS OF THE MONTH WERE RATHER HOT IN THE VALLEYS...MOUNTAINS AND DESERTS...BUT A STRONG MARINE INFLUENCE KEPT CONDITIONS RATHER CHILLY NEAR THE COAST.

ON THE 1ST...THE LOW TEMPERATURE OF 58 DEGREES AT LOS ANGELES AIRPORT TIED A RECORD LOW FOR THE DATE...WHILE ON THE 3RD...THE LOW OF 57 DEGREES SET A DAILY RECORD.

ON THE 4TH...THE LOW TEMPERATURE OF 50 DEGREES AT SANTA BARBARA AIRPORT TIED A DAILY RECORD LOW...WITH THE MINIMUM OF 56 DEGREES AT LOS ANGELES AIRPORT SET A NEW RECORD.

A VERY DEEP MARINE LAYER DEVELOPED ON THE 7TH AND 8TH...BRINGING SIGNIFICANT COOLING TO THE VALLEYS...AND CAUSING ADDITIONAL COOLING ACROSS THE COASTAL PLAIN. THERE WAS EVEN SOME DRIZZLE ON THE 7TH. THE TRACE OF RAIN RECORDED AT LONG BEACH AIRPORT SET A NEW RAINFALL RECORD FOR THE DATE...AS NO RAIN HAD EVER BEEN RECORDED ON THAT DATE SINCE RECORDS BEGAN.

ON THE 9TH...THE LOW TEMPERATURE OF 43 DEGREES AT SANDBERG SET A RECORD LOW FOR THE DATE.

ON THE 10TH...THE LOW TEMPERATURE OF 44 DEGREES AT LANCASTER AIRPORT SET A RECORD LOW FOR THE DATE...WHILE THE LOW OF 58 DEGREES AT LONG BEACH AIRPORT TIED A DAILY RECORD.

ON THE 13TH...THE LOW TEMPERATURE OF 55 DEGREES AT SANTA MONICA PIER TIED A RECORD LOW FOR THE DATE...AS DID THE LOW TEMPERATURE OF 46 DEGREES AT SANTA BARBARA AIRPORT ON THE 14TH.

DURING THE MIDDLE OF THE MONTH...DAYTIME TEMPERATURES WERE MOSTLY NEAR NORMAL OR JUST SLIGHTLY BELOW NORMAL ACROSS THE REGION. AN EARLY SEASON TROUGH MOVING INTO THE GREAT BASIN. HOWEVER...THE NIGHTS CONTINUE TO BE RATHER CHILLY. ON THE 17TH...THE LOW

TEMPERATURE OF 53 DEGREES AT UCLA SET A RECORD LOW FOR THE DATE.

A STRONG TROUGH MOVE INTO THE WESTERN STATES ON THE 21ST AND 22ND. A VERY DEEP MARINE LAYER DEVELOPED...AND SOME LOCAL DRIZZLE WAS REPORTED IN COASTAL AND VALLEY AREAS OF LOS ANGELES AND VENTURA COUNTIES. SKIES DID NOT CLEAR COMPLETELY ON THE 21ST IN THE VALLEYS...AND THE RESULT WAS A VERY CHILLY SEPTEMBER DAY...WITH HIGHS REMAINING IN THE 60S IN SOME VALLEY LOCATIONS...NEARLY 20 DEGREES BELOW NORMAL FOR THE DATE.

ON THE 21ST...MANY RECORD DAILY LOW MAXIMUM TEMPERATURE WERE SET INCLUDING 68 DEGREES AT LOS ANGELES AIRPORT...69 DEGREES AT LONG BEACH AIRPORT...70 DEGREES AT SAN GABRIEL...66 DEGREES AT UCLA AND 65 DEGREES AT SANTA BARBARA AIRPORT. ON THE 22ND...NEW RECORD DAILY LOW MAXIMUM TEMPERATURES INCLUDED 63 DEGREES AT SANTA MONICA PIER AND 67 DEGREES AT SAN LUIS OBISPO CAL POLY.

SIGNIFICANT WARNING BEGAN ON THE 23RD AS AN UPPER HIGH BEGAN TO BUILD INTO THE REGION...CAUSING THE MARINE LAYER TO SHRINK IN DEPTH. THE WARMING TREND CONTINUED ON THE 24TH...WITH TEMPERATURES IN THE WARMEST VALLEY LOCATIONS APPROACHING 100 DEGREES.

AS LOW LEVEL FLOW TURNED WEAKLY OFFSHORE ON THE 25TH...THE HEAT CONTINUED TO BUILD. HIGH TEMPERATURES ROSE TO BETWEEN 100 AND 108 IN THE VALLEYS OF LOS ANGELES AND VENTURA COUNTIES...AND WELL INTO THE 90S ACROSS INTERIOR SECTIONS OF THE COASTAL PLAIN.

THE UPPER HIGH CONTINUED TO STRENGTHEN AS DID THE OFFSHORE FLOW ON THE 26TH AND 27TH. ON THE 26TH...HIGH TEMPERATURES REACHED OR EXCEED 100 DEGREES ACROSS INTERIOR SECTIONS OF THE COASTAL PLAIN...AND BETWEEN 102 AND 110 DEGREES IN THE VALLEYS.

ON THE 26TH...THE HIGH TEMPERATURE IN DOWNTOWN LOS ANGELES REACHED 105 DEGREES. THAT WAS THE HIGHEST TEMPERATURE RECORDED IN DOWNTOWN LOS ANGELES IN NEARLY 20 YEARS...SINCE OCTOBER 10TH 1991...WHEN THE TEMPERATURE REACHED 107 DEGREES. IN FACT...UNTIL SEPTEMBER 26TH 2010...THAT DAY HAD BEEN THE LAST ON WHICH THE TEMPERATURE IN DOWNTOWN LOS ANGELES REACHED OR EXCEEDED 105 DEGREES. YET...WHILE THE 105 DEGREE THRESHOLD HAD NOT BEEN REACHED OR EXCEEDED SINCE 1991...THE TEMPERATURE HAS RISEN TO OR ABOVE THE 100 DEGREE MARK IN ALL BUT 6 YEARS SINCE 1991. THE HIGH TEMPERATURE DID NOT...HOWEVER BREAK A RECORD FOR THE DATE...WHICH WAS 109 DEGREES SET IN 1963.

AT LONG BEACH AIRPORT...THE HIGH TEMPERATURE WAS ALSO 105 DEGREES...MAKING IT THE HOTTEST DAY SINCE SEPTEMBER 1ST 1998...WHEN THE HIGH WAS 107 DEGREES. THE HIGH TEMPERATURE TODAY AT LONG BEACH AIRPORT FELL SHORT OF THE DAILY RECORD FOR SEPTEMBER 26TH...WHICH WAS 110 DEGREES SET IN 1963.

ON THE 26TH...THE HIGH TEMPERATURE OF 104 DEGREES AT SAN LUIS OBISPO CAL POLY SET A NEW RECORD FOR THE DAY...WHILE THE HIGH OF 101 DEGREES AT LANCASTER TIED A DAILY RECORD.

ON THE 27TH...ALL INGREDIENTS CAME TOGETHER TO PRODUCE ONE OF THE MOST REMARKABLY HOT DAYS IN SOUTHERN CALIFORNIA HISTORY. A VERY STRONG UPPER LEVEL HIGH WAS ANCHORED ACROSS THE REGION. SURFACE HIGH PRESSURE IN THE GREAT BASIN PRODUCED OFFSHORE FLOW ACROSS THE REGION THAT WAS SUFFICIENTLY STRONG TO HOLD OFF COASTAL SEA BREEZES UNTIL THE AFTERNOON HOURS. BEFORE SEA BREEZES ARRIVED ON THE COASTAL PLAIN...TEMPERATURES SKY-ROCKETED DURING THE MORNING HOURS...WHICH

ALREADY BEGAN ON A VERY WARM NOTE.

MOST OF SOUTHWESTERN CALIFORNIA...FROM THE IMMEDIATE BEACHES TO THE DESERTS EXPERIENCED TEMPERATURES AT OR ABOVE 100 DEGREES DURING THE DAY...AND IN MANY CASES...WELL ABOVE 100 DEGREES. ONLY THE HIGHER MOUNTAIN ELEVATIONS AND A FEW BEACH LOCATIONS MANAGED TO ESCAPE TRIPLE DIGIT HEAT.

AT 1215 PM...THE TEMPERATURE IN DOWNTOWN LOS ANGELES REACHED A SIZZLING 113 DEGREES. THAT WAS THE HIGHEST TEMPERATURE EVER RECORDED IN DOWNTOWN LOS ANGELES SINCE RECORDS BEGAN IN 1877. THE PREVIOUS RECORD WAS 112 DEGREES SET ON JUNE 26TH 1990.

THE PREVIOUS RECORD FOR THE DAY IN DOWNTOWN LOS ANGELES HAD BEEN 106 DEGREES SET IN 1963...AND THE PREVIOUS RECORD FOR THE MONTH OF SEPTEMBER HAD BEEN 110 DEGREES SET ON SEPTEMBER 1ST 1955 AND EQUALED ON SEPTEMBER 4TH 1988.

THE HIGH TEMPERATURE AT LONG BEACH AIRPORT ON THE 27TH WAS 111 DEGREES. THAT TIED THE HIGHEST TEMPERATURE EVER RECORDED AT LONG BEACH AIRPORT...WHICH WAS SET ON OCTOBER 15TH 1961. IT ALSO SET A NEW RECORD FOR THE MONTH OF SEPTEMBER...ECLIPSING THE OLD RECORD OF 110 DEGREES SET ON SEPTEMBER 26TH 1963.

MANY DAILY RECORD HIGH TEMPERATURES WERE SET INCLUDING 111 DEGREES IN WOODLAND HILLS AT PIERCE COLLEGE...110 DEGREES AT BURBANK AIRPORT AND SAN GABRIEL...109 DEGREES AT SAN LUIS OBISPO CAL POLY...108 DEGREES AT UCLA AND PASO ROBLES AIRPORT...105 DEGREES AT SANTA MARIA AIRPORT...AND 100 DEGREES AT THE NATIONAL WEATHER SERVICE IN OXNARD AND AT SANTA BARBARA AIRPORT.

DAILY RECORD TEMPERATURES THAT WERE EQUALED INCLUDED 105 DEGREES AT LOS ANGELES AIRPORT...103 DEGREES AT LANCASTER AIRPORT AND 102 DEGREES AT PALMDALE AIRPORT.

SOME UNOFFICIAL HIGHS FOR THE DAY INCLUDED 113 DEGREES IN SANTA PAULA...112 DEGREES AT OJAI...DEL VALLE...DUARTE...MONTECITO HILLS...FILLMORE AND LAKE CASITAS...111 DEGREES AT PASADENA...POMONA...CHATSWORTH...HAWTHORNE AND CLAREMONT...110 DEGREES AT NORTHRIDGE...GETTY CENTER...SAUGUS...THOUSAND OAKS...MOORPARK...SAN LUIS OBISPO AIRPORT AND LAKE LOPEZ...109 DEGREES AT SANTA YNEZ...SIMI VALLEY AND BELLFLOWER...108 DEGREES AT PIRU...CHEESEBORO...CRESTON AND LAS TABLAS...107 DEGREES AT SANTA BARBARA CITY AND LA CANADA...105 DEGREES AT TORRANCE...104 DEGREES AT AVALON AIRPORT...VANDENBERG HILLS...VENTURA AND ARROYO GRANDE...103 DEGREES AT SANTA MONICA AIRPORT AND 102 DEGREES AT MORRO BAY.

SOME COOLING BEGAN ON THE 28TH...MAINLY NEAR THE COAST...WHILE RECORD BREAKING HOT WEATHER CONTINUED IN MANY INLAND AREAS. THE TEMPERATURES OF 102 DEGREES AT PALMDALE AIRPORT AND AT LANCASTER AIRPORT SET RECORDS FOR THE DATE...WHILE HIGHS OF 90 DEGREES AT SANDBERG...98 DEGREES AT SANTA MARIA AIRPORT AND 107 DEGREES AT SAN LUIS OBISPO CAL POLY TIED RECORDS FOR THE DATE.

ON THE 29TH...A THUNDERSTORM DEVELOPED NEAR MOUNT BALDY DURING THE LATE AFTERNOON...AND MOVED WESTWARD ACROSS THE SAN GABRIEL MOUNTAINS PRODUCING LOCALLY HEAVY RAIN. ANOTHER STORM FORMED IN THE WESTERN SAN GABRIEL VALLEY AND PUSHED WESTWARD INTO THE SAN FERNANDO VALLEY. A COUPLE OF SHOWERS ALSO DEVELOPED OVER THE SANTA MONICA MOUNTAINS NEAR MALIBU DURING THE EVENING.

ON THE 30TH...SCATTERED SHOWERS AND ISOLATED THUNDERSTORMS DEVELOPED
IN THE MOUNTAINS DURING THIS AFTERNOON.

.....CLIMATE DATA FOR SEPTEMBER 2010.....

	AVG	AVG	AVG	NORM	MONTH	TOTAL	NORM	
PRECIP	HIGH	LOW	MONTH	MONTH	XTRMS	PRECIP	PRECIP	%
NORM	-----							
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L.A. DOWNTOWN	84.3	63.7	74.0	74.0	113/58	0.00	0.32	0%
L.A. ARPT	73.2	60.4	66.8	70.1	105/56	0.00	0.26	0%
LONG BEACH ARPT	81.8	60.4	71.1	73.4	111/56	0.00	0.24	0%
UCLA	77.7	59.1	68.4	70.2	108/53	0.00	0.32	0%
BURBANK ARPT	87.3	61.0	74.2	73.5	110/54	0.00	0.30	0%
WOODLAND HILLS	91.5	54.4	73.0	73.5	111/47	0.00	0.24	0%
LANCASTER ARPT	93.7	53.5	73.6	72.6	105/43	0.00	0.20	0%
SANDBERG	80.8	59.4	70.1	69.3	92/42	0.00	0.25	0%
CAMARILLO ARPT	76.3	56.1	66.2	66.3	98/51	0.00	0.36	0%
SANTA BARBARA ARPT	71.8	52.6	62.2	67.4	100/46	0.00	0.42	0%
SANTA MARIA ARPT	74.9	51.1	63.0	63.9	105/45	0.00	0.31	0%
PASO ROBLES ARPT	91.2	50.3	71.1	70.0	108/42	0.00	0.36	0%

*****OCTOBER 2010*****

RAINFALL FOR THE MONTH OF OCTOBER GENERALLY AVERAGED 200 TO 400
PERCENT OF NORMAL IN MOST AREAS...WITH A FEW LOCATIONS REPORTING
PRECIPITATION OVER 500 PERCENT OF NORMAL.

TEMPERATURES GENERALLY RANGED FROM NEAR NORMAL TO TWO DEGREES BELOW
NORMAL ACROSS THE REGION...EXCEPT SLIGHTLY ABOVE NORMAL IN THE
ANTELOPE VALLEY...AND UP TO THREE DEGREES BELOW NORMAL ON THE
NORTHERN MOUNTAIN SLOPES.

A LARGE UPPER LOW MOVED INTO SOUTHERN PORTIONS OF THE CALIFORNIA
BIGHT. MOIST EAST TO SOUTHEAST FLOW ALOFT ON THE NORTHERN SIDE OF
THE UPPER LOW CAUSED SHOWERS AND THUNDERSTORMS TO DEVELOP ACROSS THE
REGION. A FEW STRONG THUNDERSTORMS AFFECTED SOUTHEASTERN SAN LUIS
OBISPO COUNTY AND NORTHEASTERN SANTA BARBARA COUNTIES...PRODUCING
HAIL OF ONE QUARTER TO THREE QUARTERS OF AN INCH PER HOUR...GUSTY
WINDS AND HEAVY DOWNPOURS.

IN THE ANTELOPE VALLEY...SOME THUNDERSTORMS PRODUCED UP TO ONE HALF
INCH OF RAIN IN ONE HALF HOUR...CAUSING SOME FLOODING WEST OF
LITTLEROCK DURING THE LATE AFTERNOON. OTHER SHOWERS AND ISOLATED
THUNDERSTORMS AFFECTED THE MOUNTAINS AND VALLEYS OF VENTURA AND LOS
ANGELES COUNTIES.

SOME RAINFALL TOTALS FOR THE DAY INCLUDED 0.47 INCHES AT APACHE
CANYON...0.39 INCHES AT SAN GABRIEL DAM...0.29 INCHES AT MOUNT
BALDY...0.24 INCHES AT MORRIS DAM...0.20 INCHES AT CHUCHUPATE AND
EATON DAM...0.15 INCHES AT SANDBERG...0.14 INCHES AT SANTA FE
DAM...0.05 INCHES AT CLAREMONT...AND 0.04 INCHES AT LA HABRA
HEIGHTS...GETTY BASIN...CUYAMA...MOUNT WILSON...BALD MOUNTAIN AND
WEST BIG PINE.

THE SYNOPTIC PATTERN CHANGED LITTLE FOR THE 2ND AND 3RD...WITH

SCATTERED SHOWERS AND ISOLATED THUNDERSTORMS CONTINUING ACROSS THE REGION.

ON THE 2ND...STRONG THUNDERSTORMS OVER THE NORTHERN VENTURA COUNTY MOUNTAINS WEST OF FRAZIER PARK PRODUCED SOME FLASH FLOODING...AND RADAR INDICATED AS MUCH AS 2 INCHES OF RAIN FELL FROM THE STORMS. A FLASH FLOOD WARNING WAS ISSUED FOR THIS STORM. CALIFORNIA HIGHWAY PATROL REPORTED THAT HIGHWAY 33 WAS WASHED OUT A LOCKWOOD VALLEY ROAD AND ONE VEHICLE WAS STUCK IN THE MUD.

ANOTHER FLASH FLOOD WARNING WAS ISSUED FOR NORTHERN SAN LUIS OBISPO COUNTY DURING THE EVENING OF THE 2ND AS SEVERAL STRONG THUNDERSTORMS DEVELOPED IN THAT AREA.

THE UPPER LOW MOVED ACROSS SOUTHWESTERN CALIFORNIA ON THE 3RD AS ANOTHER UPPER LOW DROPPED SOUTHWARD DOWN THE WEST COAST TO A POSITION JUST WEST OF THE REGION ON THE 4TH AND 5TH.

A VERY DEEP MARINE LAYER DEVELOPED DURING THE NIGHT OF THE 3TH...AND SIGNIFICANT COOLING TOOK PLACE ACROSS THE REGION ON MONDAY THE 4TH. THE HIGH TEMPERATURE IN DOWNTOWN LOS ANGELES WAS ONLY 68 DEGREES...45 DEGREES LOWER THAN THE ALL TIME HIGH TEMPERATURE RECORDED AT THE SITE JUST ONE WEEK EARLIER.

THE COMBINATION OF A DEEP MARINE LAYER AND A COUPLE OF WEAK MID LEVEL IMPULSES ROTATING INTO THE REGION AROUND THE UPPER LOW OFF THE COAST BROUGHT SOME LIGHT AMOUNTS OF MEASURABLE RAIN TO PORTIONS OF THE FORECAST AREA FROM THE 4TH THROUGH THE 6TH. THE FRONTAL SYSTEM ASSOCIATED WITH THIS UPPER LOW PUSHED THROUGH THE REGION LATE ON THE 6TH INTO THE EARLY MORNING HOURS OF THE 7TH...PRODUCING THE BULK OF THE RAIN IN THIS 3 DAY PERIOD.

ON THE 6TH...MANY DAILY RAINFALL RECORDS WERE SET...INCLUDING 0.53 INCHES AT BURBANK AIRPORT...0.30 INCHES AT DOWNTOWN LOS ANGELES...0.62 INCHES AT LOS ANGELES AIRPORT...0.32 INCHES AT LONG BEACH AIRPORT...0.64 INCHES AT WOODLAND HILLS...0.10 INCHES AT LANCASTER AIRPORT...0.38 INCHES AT SANDBERG...0.70 INCHES AT CAMARILLO AIRPORT...0.61 INCHES AT SANTA BARBARA AIRPORT...AND 0.73 INCHES AT THE NATIONAL WEATHER SERVICE IN OXNARD. AT PALMDALE AIRPORT...0.17 INCHES OF RAIN FELL...TYING THE RECORD FOR THE DATE.

SELECTED RAINFALL TOTALS FROM THE 4TH THROUGH THE MORNING OF THE 7TH INCLUDED 2.44 INCHES AT SOUTH MOUNTAIN...2.24 INCHES AT OLD MAN MOUNTAIN...2.16 INCHES AT WHITE LEDGE PEAK...1.83 INCHES AT MATILIJA DAM...1.50 INCHES AT CIRCLE X RANCH... 1.48 INCHES IN OJAI AND STEWART CANYON...1.47 INCHES AT OPIDS CAMP...1.46 INCHES AT NORDHOFF RIDGE AT MONTE NIDO...1.42 INCHES AT REFUGIO PASS...1.34 INCHES AT LA CUMBRE PEAK AND LANG RANCH...1.19 INCHES AT CONEJO CREEK...1.18 INCHES AT BIG ROCK MESA...1.14 INCHES IN AGOURA HILLS AND SANTA ANITA DAM...1.10 INCHES AT SANTA MONICA AIRPORT...1.08 INCHES AT BEVERLY HILLS...0.87 INCHES AT HAWTHORNE...0.85 INCHES AT THE NATIONAL WEATHER SERVICE IN OXNARD...0.81 INCHES AT CAMARILLO AIRPORT...0.74 INCHES AT LOS ANGELES AIRPORT...0.70 AT SANTA BARBARA AIRPORT...0.65 INCHES AT SAN LUIS OBISPO AIRPORT...0.63 INCHES AT SANTA MARIA AIRPORT...0.57 INCHES AT BURBANK AIRPORT...0.47 INCHES AT PASO ROBLES AIRPORT...0.40 INCHES AT DOWNTOWN LOS ANGELES...0.38 INCHES AT LONG BEACH AIRPORT...0.35 INCHES AT ROCKY BUTTE...0.17 INCHES AT PALMDALE AIRPORT...AND 0.10 INCHES AT LANCASTER AIRPORT.

THE UPPER LOW PULLED EAST OF THE REGION DURING THE AFTERNOON OF THE 7TH...BRINGING DRYING AND SOME WARMING. THE WARMING TREND CONTINUED

THROUGH THE 9TH AND 10TH...WHICH BECAME QUITE HOT...DUE TO THE COMBINATION OF STRONG HIGH PRESSURE ALOFT AND WEAK OFFSHORE FLOW. ON BOTH DAYS...MOST LOCATIONS IN THE VALLEYS HAD HIGH TEMPERATURES IN THE 90S...AND TEMPERATURES REACHED OR EXCEEDED 90 DEGREES ACROSS INTERIOR SECTIONS OF THE COASTAL PLAIN ON THE 10TH. ON THE 10TH...HIGH TEMPERATURES PEAKED AT 99 DEGREES AT WOODLAND HILLS...97 DEGREES AT VAN NUYS...95 DEGREES AT BURBANK AIRPORT...94 DEGREES AT LONG BEACH AIRPORT...AND 93 DEGREES AT DOWNTOWN LOS ANGELES. DESPITE THE LATE SEASON HEAT...NO RECORD HIGH TEMPERATURES WERE SET...AS RECORDS WERE VERY HIGH THAT DAY DUE TO A HEAT WAVE IN 1991 WHEN MANY LOCATIONS ACROSS THE INTERIOR COASTAL PLAIN AND IN THE VALLEYS HAD HIGH TEMPERATURES BETWEEN 105 AND 110 DEGREES.

COOLER WEATHER RETURNED ON THE 11TH AND 12TH...THEN THE WEATHER WAS GENERALLY BENIGN THROUGH THE 16TH. THEN...AN UPPER LOW DEVELOPED ABOUT 700 MILES WEST OF SAN FRANCISCO...AND APPROACHED THE NORTHERN CALIFORNIA COAST ON THE 17TH. A DEEP MARINE LAYER BROUGHT SOME LIGHT RAIN TO AREAS SOUTH OF POINT CONCEPTION...WHILE A FEW SHOWERS AND THUNDERSTORMS DEVELOPED ACROSS SAN LUIS OBISPO COUNTY AS THE SOUTHERN END OF THE FRONTAL SYSTEM MOVED INTO THE CENTRAL COAST.

THE UPPER LOW DROPPED SOUTHWARD ALONG OR JUST OFF THE COAST THROUGH THE 19TH...COMING ASHORE IN NORTHERN BAJA. MOIST SOUTHERLY FLOW ON THE EASTERN SIDE OF THIS LOW BROUGHT NUMEROUS SHOWERS AND ISOLATED THUNDERSTORMS TO THE REGION FROM THE 18TH THROUGH THE 20TH.

ON THE 18TH...A LINE OF THUNDERSTORMS IN WESTERN VENTURA AND EASTERN SANTA BARBARA COUNTIES BROUGHT SOME HEAVY RAIN AND GUTSY WINDS TO MONTECITO...SANTA BARBARA...CARPINTERIA AND THE ADJACENT FOOTHILLS IN THE AFTERNOON...WITH SCATTERED SHOWERS AND ISOLATED THUNDERSTORMS THROUGH THE NIGHT.

SHOWERS AND THUNDERSTORMS INCREASED IN COVERAGE ON THE 19TH...THE DAY ON WHICH THE MOST WIDESPREAD SHOWER ACTIVITY OCCURRED.

DURING THE LATE AFTERNOON...A THUNDERSTORM AFFECTED SIMI VALLEY...THOUSAND OAKS AND MOORPARK...PRODUCING HAIL UP TO ONE INCH IN DIAMETER AND WIND GUSTS TO 50 MPH. PEA SIZED HAIL WAS REPORTED AT THE NATIONAL WEATHER SERVICE IN OXNARD AS THIS STORM WEAKENED AND DRIFTED WESTWARD INTO THE VENTURA COUNTY COASTAL PLAIN.

ANOTHER STORM DEVELOPED IN THE ANTELOPE VALLEY DURING THE EARLY EVENING HOURS...PRODUCING QUARTER SIZED HAIL AND WIND GUSTS TO 60 MPH IN THE SOUTHEASTERN PORTION OF THE ANTELOPE VALLEY BETWEEN LITTLEROCK AND PEARBLOSSOM ALONG HIGHWAY 138.

ADDITIONAL STRONG THUNDERSTORMS AFFECTED MUCH OF THE ANTELOPE VALLEY DURING THE EVENING...BRINGING LOCALLY HEAVY RAIN...SMALL HAIL AND HEAVY DOWNPOURS.

ON THE 19TH...DAILY RAINFALL RECORDS WERE SET AT SANDBERG WITH 1.49 INCHES OF RAIN...AND AT LONG BEACH AIRPORT WITH 0.61 INCHES OF RAIN.

RAINFALL TOTALS FROM THE UPPER LOW FROM THE 17TH THROUGH THE 20TH WERE HIGHLY VARIABLE DUE TO THE SHOWERY NATURE OF THE PRECIPITATION. SOME TOTALS INCLUDED 1.68 INCHES AT CHUCHUPATE...1.59 INCHES AT SANDBERG...1.54 INCHES IN HUNGRY VALLEY...1.50 INCHES AT MOORPARK...1.43 INCHES AT POPPY PARK...1.41 INCHES AT NORDHOFF RIDGE...1.37 INCHES AT LANCASTER AIRPORT...1.31 INCHES AT LOCKWOOD VALLEY...1.18 INCHES AT EATON DAM AND AT PALMDALE AIRPORT...1.08

INCHES AT VALYERMO...1.07 INCHES AT MONTECITO HILLS...1.06 INCHES AT SIERRA MADRE AND MOUNT CAVALRY...1.05 INCHES AT CARPINTERIA...1.03 INCHES AT ROSE VALLEY...0.90 INCHES AT AVALON AND WEST BIG PINE...0.87 INCHES AT PASADENA...0.75 INCHES AT LONG BEACH AIRPORT...0.68 INCHES AT TORRANCE...0.60 AT THE NATIONAL WEATHER SERVICE IN OXNARD...0.59 INCHES AT SANTA BARBARA AIRPORT...0.49 INCHES AT NORTHRIDGE...0.42 INCHES IN THOUSAND OAKS...0.37 INCHES IN WOODLAND HILLS...0.35 INCHES AT VAN NUYS AIRPORT AND AT CAMARILLO AIRPORT...0.30 INCHES AT BURBANK AIRPORT...0.28 INCHES IN AGOURA HILLS...0.27 INCHES AT LOS ANGELES AIRPORT...0.19 INCHES AT SAN LUIS OBISPO AIRPORT...0.16 INCHES AT SANTA MARIA AIRPORT AND 0.11 INCHES IN DOWNTOWN LOS ANGELES.

DRY WEATHER RETURNED ON THE 21ST...THEN A DEEP MARINE LAYER BROUGHT SOME VERY LIGHT MEASURABLE AMOUNTS OF DRIZZLE TO SOME AREAS ON THE 22ND. WHERE MEASURABLE RAIN OCCURRED...AMOUNTS WERE GENERALLY 0.05 INCHES OR LESS.

INCREASING MOISTURE AHEAD OF A COLD FRONT BROUGHT A LITTLE LIGHT RAIN TO MUCH OF THE REGION LATE ON THE 23RD...THEN THE COLD FRONT ITSELF SWEEPED THROUGH THE REGION ON THE 24TH INTO THE 25TH.

SOME RAINFALL TOTALS WITH THE FRONT INCLUDED 0.83 INCHES AT SUDDEN PEAK...0.75 INCHES AT POINT PIEDRAS BLANCAS...0.63 INCHES AT CAMBRIA...0.58 INCHES AT SAN LUIS OBISPO CAL POLY...0.49 INCHES AT NORTHRIDGE...0.47 INCHES AT ROCKY PEAK...0.35 INCHES AT VAN NUYS AIRPORT...0.32 INCHES IN WOODLAND HILLS...0.27 INCHES AT VANDENBERG...0.25 INCHES AT SANTA MARIA AIRPORT...0.23 INCHES AT PASADENA AND SAN LUIS OBISPO AIRPORT...0.21 INCHES AT LONG BEACH AIRPORT...0.20 INCHES IN DOWNTOWN LOS ANGELES...0.18 INCHES AT LOS ANGELES AIRPORT...AND 0.08 INCHES AT BURBANK AIRPORT.

AT LONG BEACH AIRPORT...RAINFALL OF 0.13 INCHES ON THE 24TH TIED A RECORD FOR THE DATE...WHILE RAINFALL OF 0.08 INCHES ON THE 25TH SET A DAILY RECORD.

BEHIND THE FRONT...STRONG AND GUSTY NORTHWEST WINDS DEVELOPED ACROSS PORTIONS OF THE REGION ON THE 25TH AND CONTINUED THROUGH THE EARLY MORNING HOURS ON THE 27TH. SOME PEAK WIND GUSTS INCLUDED 86 MPH AT WHITAKER PEAK...69 MPH AT MALIBU HILLS...63 MPH AT CAMP NINE...62 MPH AT MONTECITO...56 MPH AT LAKE PALMDALE...55 MPH AT SAUGUS...53 MPH AT SANDBERG AND POPPY PARK...52 MPH AT WARM SPRINGS AND 39 MPH AT VAN NUYS AIRPORT.

WINDS SHIFTED TO THE NORTHEAST DURING THE MORNING HOURS ON THE 27TH...THEN GUSTY WINDS CONTINUED THROUGH THE EARLY AFTERNOON. PEAK NORTHEAST TO EAST WIND GUSTS INCLUDED 68 MPH AT LAGUNA PEAK...66 MPH AT WILEY RIDGE...43 MPH AT SANDBERG...40 MPH AT CAMARILLO AIRPORT...39 MPH AT LEO CARRILLO BEACH...38 MPH AT OXNARD AIRPORT AND 37 MPH IN THOUSAND OAKS.

THE OFFSHORE FLOW BROUGHT WARM WEATHER TO THE IMMEDIATE COAST. THE HIGH TEMPERATURE OF 85 DEGREES AT SANTA MONICA PIER TIED A RECORD FOR THE DATE.

A FAST MOVING FRONTAL SYSTEM SWEEPED THROUGH THE REGION ON THE 29TH AND 30TH BRINGING A 2 TO 4 HOUR PERIOD OF MODERATE TO HEAVY RAIN TO MANY AREAS. SOME RAINFALL TOTALS INCLUDED 1.41 INCHES AT THE TAJIGUAS LANDFILL...1.26 INCHES AT SANTA BARBARA AIRPORT...1.11 INCHES AT SAN MARCOS PASS AND MARIA YGNACIO RIDGE...1.10 INCHES AT ROCKY BUTTE...1.02 INCHES AT OCEANO...0.98 INCHES AT BUELLTON...0.93

INCHES IN VENTURA...0.86 INCHES AT CIRCLE X RANCH...0.83 INCHES AT
 SUDDEN PEAK...0.71 INCHES AT THE NATIONAL WEATHER SERVICE IN
 OXNARD...0.63 INCHES IN NEWHALL AND AT MONTE NIDO...0.59 INCHES AT SAN
 LUIS OBISPO AIRPORT AND CAMARILLO AIRPORT...0.58 INCHES AT SANTA
 MARIA AIRPORT AND THOUSAND OAKS...0.57 INCHES AT VANDENBERG...0.41
 INCHES AT VAN NUYS AIRPORT...0.40 INCHES IN NORTHRIDGE AND IN
 BEVERLY HILLS...0.39 INCHES IN AGOURA HILLS...0.38 INCHES AT SANTA
 MONICA AIRPORT...0.37 INCHES AT SANDBERG...0.36 INCHES AT LOS
 ANGELES AIRPORT...0.29 INCHES AT BURBANK AIRPORT...0.22 INCHES AT
 CLAREMONT...0.21 INCHES AT LONG BEACH AIRPORT AND IN DOWNTOWN LOS
 ANGELES...AND 0.13 INCHES AT AVALON.

RAINFALL OF 1.09 INCHES AT SANTA BARBARA AIRPORT ON THE 30TH SET A
 RECORD FOR THE DATE.

.....CLIMATE DATA FOR OCTOBER 2010.....

	AVG	AVG	AVG	NORM	MONTH	TOTAL	NORM	
PRECIP	HIGH	LOW	MONTH	MONTH	XTRMS	PRECIP	PRECIP	%
NORM	-----							
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L.A. DOWNTOWN	76.4	62.3	69.3	69.5	93/54	0.94	0.37	254%
L.A. ARPT	70.8	60.3	65.6	66.9	84/54	1.56	0.36	433%
LONG BEACH ARPT	74.0	59.6	66.8	68.6	94/53	1.62	0.40	405%
UCLA	72.6	58.7	65.7	67.1	87/53	1.87	0.57	328%
BURBANK ARPT	75.1	57.6	66.4	67.6	95/50	1.26	0.55	229%
WOODLAND HILLS	76.3	53.8	65.1	66.8	99/43	1.63	0.62	263%
LANCASTER ARPT	76.3	49.4	62.8	61.8	93/32	1.75	0.30	583%
SANDBERG	64.3	49.3	56.8	59.9	83/36	2.56	0.32	800%
CAMARILLO ARPT	72.2	56.7	64.4	63.7	85/47	1.83	0.36	508%
SANTA BARBARA ARPT	70.1	54.2	62.1	63.5	84/45	2.61	0.52	502%
SANTA MARIA ARPT	70.3	51.2	60.8	61.1	87/42	1.69	0.45	376%
PASO ROBLES ARPT	78.0	48.7	63.4	62.5	99/31	0.72	0.51	141%

*****NOVEMBER 2010*****

RAINFALL FOR THE MONTH OF NOVEMBER WAS GENERALLY A BIT BELOW
 NORMAL...WITH MOST LOCATIONS RECEIVING 60 TO 80 PERCENT OF NORMAL
 PRECIPITATION.

AVERAGE TEMPERATURES FOR THE MONTH WERE GENERALLY NEAR NORMAL TO
 TWO DEGREES BELOW NORMAL IN MOST AREAS...EXCEPT UP TO THREE DEGREES
 BELOW NORMAL IN THE MOUNTAINS.

THE MONTH STARTED OFF ON A HOT AND WINDY NOTE. GUSTY SANTA ANA WINDS
 DEVELOPED ACROSS THE MOUNTAINS ON THE 1ST AND SPREAD INTO THE
 VALLEYS BY THE 2ND. PEAK WIND GUSTS ON THE 2ND INCLUDED 57 MPH AT
 WILEY RIDGE...53 MPH AT WARM SPRINGS...49 MPH AT LAKE PALMDALE...43
 MPH AT CHILAO...42 MPH AT SAUGUS AND 41 MPH AT CAMP NINE.

WHILE TEMPERATURES WERE WELL ABOVE NORMAL ACROSS THE REGION DURING
 THE FIRST FIVE DAYS OF THE MONTH...THE HOTTEST DAY IN MOST AREAS WAS
 THE 3RD. AT LONG BEACH AIRPORT...THE HIGH TEMPERATURE ON THE 3RD
 WAS 100 DEGREES. THAT BROKE THE RECORD FOR THE DATE...AND WAS THE
 SECOND HIGHEST TEMPERATURE RECORDED IN THE MONTH OF NOVEMBER...JUST
 1 DEGREE SHY OF TYING THE ALL TIME MONTHLY RECORD OF 101 DEGREES SET

NOVEMBER 1ST 1966. IT WAS THE HIGHEST TEMPERATURE RECORDED SO LATE IN THE SEASON...AND THE LATEST DATE IN THE YEAR ON WHICH A TEMPERATURE OF 100 DEGREES OR GREATER WAS RECORDED.

AT LOS ANGELES INTERNATIONAL AIRPORT...THE HIGH TEMPERATURE ON THE 3RD WAS 98 DEGREES. THAT BROKE THE RECORD FOR THE DATE...WAS THE HIGHEST TEMPERATURE RECORDED SO LATE IN THE SEASON... AND WAS JUST 2 DEGREES SHY OF TYING THE ALL TIME RECORD FOR THE MONTH OF NOVEMBER OF 100 DEGREES...SET ON NOVEMBER 1ST 1966.

AT DOWNTOWN LOS ANGELES...THE HIGH TEMPERATURE OF 97 DEGREES BROKE THE DAILY RECORD OF 96 DEGREES...SET 110 YEARS AGO IN 1900.

AT UCLA...THE HIGH TEMPERATURE ON THE 3RD WAS 99 DEGREES. THAT NOT ONLY SET A NEW RECORD FOR THE DATE...BUT IT ALSO ESTABLISHED A NEW RECORD FOR THE MONTH OF NOVEMBER. THE PREVIOUS RECORD WAS 97 DEGREES...SET ON NOVEMBER 4TH 1976. IT IS THE HIGHEST TEMPERATURE EVER RECORDED THERE SO LATE IN THE SEASON.

DAILY HIGH TEMPERATURE RECORDS ON THE 3RD WERE ALSO SET AT SAN GABRIEL...WITH 100 DEGREES...AT CAMARILLO AIRPORT WITH 97 DEGREES...AND AT LANCASTER AIRPORT WITH 86 DEGREES.

AT PALMDALE AIRPORT...THE HIGH TEMPERATURE OF 85 DEGREES TIED THE RECORD FOR THE DATE. AT PASO ROBLES AIRPORT...THE HIGH OF 90 DEGREES ALSO TIED A DAILY RECORD.

ON THE 4TH...NEW DAILY RECORDS OF 96 DEGREES WERE SET AT SANTA MONICA PIER...LONG BEACH AIRPORT AND CAMARILLO AIRPORT...WHILE THE HIGH OF 93 DEGREES AT SANTA MARIA AIRPORT SET A DAILY RECORD. HIGH TEMPERATURES OF 96 DEGREES AT LOS ANGELES AIRPORT AND IN DOWNTOWN LOS ANGELES TIED RECORDS FOR THE DATE...AS DID HIGHS OF 98 AT SAN GABRIEL AND 97 AT UCLA.

COOLER WEATHER RETURNED TO THE REGION ON THE 6TH. A FAST MOVING UPPER LOW BROUGHT LIGHT AMOUNTS OF PRECIPITATION TO THE REGION. MOST AREAS RECEIVED BETWEEN ONE TENTH AND A THIRD OF AN INCH OF RAIN... ALTHOUGH PORTIONS OF SAN LUIS OBISPO COUNTY RECEIVED UP TO TWO THIRDS OF AN INCH.

GUSTY NORTHWEST WINDS DEVELOPED ACROSS THE REGION ON THE 8TH AND CONTINUED INTO THE 9TH. SOME PEAK GUSTS INCLUDED 69 MPH AT WHITAKER PEAK...57 MPH AT MONTECITO AND 55 MPH AT MALIBU HILLS.

GUSTY SANTA ANA WINDS DEVELOPED ACROSS THE REGION ON THE 11TH. SOME PEAK WIND GUSTS INCLUDE 69 MPH AT MONTECITO...66 MPH AT CAMP NINE...64 MPH AT MALIBU HILLS...59 MPH AT WHITAKER PEAK...56 MPH AT CHILAO...53 MPH AT WARM SPRINGS...AND 45 MPH AT CLEAR CREEK AND CHEESEBORO.

THE FIRST FREEZE OF SEASON AFFECTED THE ANTELOPE VALLEY ON THE 11TH AND 12TH. LOW TEMPERATURES DROPPED TO 26 DEGREES AT LANCASTER AIRPORT ON THE 11TH AND 24 DEGREES ON THE 12TH.

A FRONTAL SYSTEM SWEEPED ACROSS THE REGION ON THE 20TH...AND ANOTHER FOLLOWED QUICKLY ON ITS HEELS ON THE 21ST. UNSTABLE AIR BEHIND THE FIRST FRONT CAUSED NUMEROUS THUNDERSTORMS TO DEVELOP ACROSS THE REGION DURING THE EARLY MORNING HOURS OF THE 21ST. RAINFALL RATES AS HIGH AS 0.40 INCHES IN 5 MINUTES WERE REPORTED WITH SOME OF THESE THUNDERSTORMS. SMALL HAIL AND GUSTY WINDS WERE ALSO REPORTED. RAINFALL TOTALS FOR THE WEEKEND FROM THE 2 FRONTS

INCLUDED 3.43 INCHES AT NORDHOFF RIDGE...3.11 INCHES AT ROSE VALLEY...2.91 INCHES AT SAN MARCOS PASS...2.25 INCHES AT UPPER TORO CREEK...2.08 INCHES AT BLACK MOUNTAIN...2.00 INCHES AT SAN LUIS OBISPO AIRPORT...1.94 INCHES AT MATILIJA DAM...1.82 INCHES AT MOUNT WILSON...1.44 INCHES AT CLAREMONT...1.14 INCHES AT PACOIMA DAM...0.91 INCHES AT BEVERLY HILLS...0.90 INCHES AT NORTHRIDGE...0.83 AT AGOURA HILLS...0.78 INCHES AT VAN NUYS...0.58 AT BURBANK...0.35 INCHES AT LONG BEACH AIRPORT...0.25 INCHES AT DOWNTOWN LOS ANGELES...AND 0.19 INCHES AT LOS ANGELES AIRPORT. IN THE MOUNTAINS ABOVE 5500 FEET...AN AVERAGE OF 2 TO 4 INCHES OF SNOW FELL.

BEHIND THESE FRONTS...COLD WEATHER SETTLED ACROSS THE REGION AND LINGERED THROUGH THE END OF THE MONTH. FROST AND FREEZING TEMPERATURES AFFECTED WIND SHELTERED LOCATIONS IN THE VALLEYS OF VENTURA AND LOS ANGELES COUNTIES...AND IN COLDER COASTAL LOCATIONS OF SAN LUIS OBISPO...SANTA BARBARA AND VENTURA COUNTIES.

ON THE 22ND...LOW TEMPERATURES OF 37 DEGREES AT CAMARILLO AIRPORT AND 32 DEGREES AT SANTA BARBARA AIRPORT SET DAILY RECORDS.

ON THE 24TH...THE LOW TEMPERATURE OF 24 DEGREES SET A DAILY RECORD AT SANDBERG.

GUSTY NORTH TO NORTHEAST WINDS AFFECTED THE REGION ON THE 24TH AND 25TH. PEAK WIND GUSTS INCLUDED 62 MPH AT LAGUNA PEAK...53 MPH AT WILEY RIDGE...52 MPH AT MALIBU HILLS AND CAMP NINE...50 MPH AT CHEESEBORO AND 46 MPH AT CHILAO.

ON THE 25TH...THE LOW TEMPERATURE OF 21 DEGREES AT LANCASTER AIRPORT SET A RECORD FOR THE DATE...AS DID THE LOW OF 30 DEGREES AT SANTA MARIA AIRPORT. LOWS OF 42 DEGREES AT LOS ANGELES AIRPORT AND 33 DEGREES AT SANTA BARBARA AIRPORT TIED DAILY RECORDS.

ON THE 26TH...DAILY RECORDS WERE SET AT PALMDALE AIRPORT WITH 21 DEGREES...AT CAMARILLO AIRPORT WITH 36 DEGREES...AND AT SAN LUIS OBISPO CAL POLY WITH 31 DEGREES. THE LOW TEMPERATURE OF 33 DEGREES AT SANTA BARBARA AIRPORT TIED A DAILY RECORD.

ON THE 27TH...LOW TEMPERATURE RECORDS WERE SET AT CAMARILLO WITH 32 DEGREES...AT WOODLAND HILLS WITH 29 DEGREES...AND AT SAN LUIS OBISPO CAL POLY AT 34 DEGREES. LOWS WERE TIED AT LONG BEACH AIRPORT AND TORRANCE WITH 38 DEGREES...AND AT UCLA WITH 45 DEGREES.

A FAST MOVING FRONTAL SYSTEM SWEEPED THROUGH THE REGION ON THE 27TH INTO THE EARLY MORNING HOURS OF THE 28TH. RAINFALL TOTALS GENERALLY WERE ONE QUARTER OF AN INCH OR LESS IN MOST AREAS.

ON THE 29TH...DAILY RECORD LOWS WERE TIED AT LONG BEACH AIRPORT AND SAN GABRIEL WITH LOWS OF 38 AND 34 DEGREES RESPECTIVELY. A NEW DAILY RECORD LOW OF 33 DEGREES WAS SET AT CAMARILLO AIRPORT.

MORE GUSTY NORTH WINDS AFFECTED THE REGION ON THE 29TH. PEAK WIND GUSTS INCLUDED 64 MPH AT LAGUNA PEAK...58 MPH AT CHILAO...56 MPH AT WILEY RIDGE...49 MPH AT CAMP NINE AND 37 MPH AT NEWHALL PASS.

ON THE 30TH...A RECORD LOW OF 32 DEGREES WAS SET AT SAN LUIS OBISPO CAL POLY. THE LOW OF 39 DEGREES AT DOWNTOWN LOS ANGELES...WHILE NOT A RECORD...MARKED ONLY THE SECOND TIME SINCE 1978 THAT THE TEMPERATURE DROPPED BELOW 40 DEGREES IN NOVEMBER.

.....CLIMATE DATA FOR NOVEMBER 2010.....

	AVG	AVG	AVG	NORM	MONTH	TOTAL	NORM	
PRECIP	HIGH	LOW	MONTH	MONTH	XTRMS	PRECIP	PRECIP	%
NORM	-----							
--								
L.A. DOWNTOWN	71.5	51.0	61.3	62.9	97/39	0.53	1.05	50%
L.A. ARPT	70.3	52.5	61.4	61.6	98/42	0.59	1.13	52%
LONG BEACH ARPT	74.0	50.5	62.3	61.8	100/38	0.60	1.12	54%
UCLA	71.6	53.9	62.8	62.3	99/44	0.69	1.35	51%
BURBANK ARPT	71.6	47.9	59.8	59.5	97/35	0.95	1.05	90%
WOODLAND HILLS	72.4	43.1	57.7	58.2	97/29	0.84	1.29	65%
LANCASTER ARPT	63.6	33.8	48.7	50.0	86/17	0.53	0.50	106%
SANDBERG	52.8	40.3	46.3	49.2	73/24	0.69	0.82	84%
CAMARILLO ARPT	72.1	45.8	58.9	59.3	97/32	0.84	1.37	61%
SANTA BARBARA ARPT	67.4	42.6	55.0	57.5	89/32	1.10	1.32	83%
SANTA MARIA ARPT	67.0	40.8	53.9	55.5	93/30	0.94	1.24	76%
PASO ROBLES ARPT	66.8	36.1	51.5	52.7	90/24	0.84	1.12	75%

*****DECEMBER
2010*****

THANKS IN LARGE PART TO A HUGE UPPER LEVEL LOW PRESSURE SYSTEM THAT BROUGHT RAIN TO THE REGION FROM THE 17TH THROUGH THE 22ND...DECEMBER 2010 WILL GO DOWN IN THE RECORD BOOKS AS ONE OF THE WETTEST...AND IN MANY CASES THE WETTEST...DECEMBERS IN HISTORY ACROSS SOUTHWESTERN CALIFORNIA. MOST AREAS ACROSS SOUTHWESTERN CALIFORNIA RECEIVED BETWEEN 3 AND 6 TIMES THE NORMAL RAINFALL FOR THE MONTH...OR 300 TO 600 PERCENT OF NORMAL.

IN DOWNTOWN LOS ANGELES...THE 10.23 INCHES OF RAINFALL RECEIVED IN DECEMBER WAS THE SECOND MOST IN ANY DECEMBER SINCE RECORDS BEGAN IN 1877. IT ALSO MADE DECEMBER 2010 THE 14TH WETTEST OF ANY MONTH IN HISTORY AT THE SITE...OUT OF A TOTAL OF 1602 MONTHS OF RECORD. HOWEVER...TO BE FAIR...ONLY 5 MONTHS OF THE YEAR...NOVEMBER THROUGH MARCH...COULD EVER REALLY COMPETE FOR THAT RECORD. RAINFALL IN DECEMBER 2010 WAS EQUAL TO NEARLY 70% (67.5%) OF THE ENTIRE SEASONAL NORMAL FOR DOWNTOWN LOS ANGELES...WHICH IS 15.14 INCHES.

THE FOLLOWING ARE RAINFALL TOTALS FOR SELECTED STATIONS FOR DECEMBER 2010 (IN INCHES)...NORMAL RAINFALL FOR THE MONTH OF DECEMBER...PERCENT OF NORMAL RAINFALL...THE WETTEST PREVIOUS DECEMBER...AND WHERE DECEMBER 2010 RANKED AT THAT STATION IN TERMS OF RAINFALL.

	DEC 2010	DEC	PERCENT	WETTEST	DEC 2010
	RAIN	NORMAL	OF NORM	DEC	RANKING
	-----	-----	-----	-----	-----
DOWNTOWN LOS ANGELES.....	10.23	1.91	536%	15.80/1889	2ND
LOS ANGELES AIRPORT.....	8.83	1.79	493%	6.49/2004	1ST
LONG BEACH AIRPORT.....	10.41	1.76	591%	5.29/1971	1ST
BURBANK AIRPORT.....	8.36	2.15	389%	8.07/1940	1ST
WOODLAND HILLS.....	6.37	2.38	268%	8.44/2004	5TH
LANCASTER AIRPORT.....	3.97	1.01	393%	5.35/1984	3RD
SANDBERG.....	4.83	2.17	223%	10.26/1971	8TH
CAMARILLO AIRPORT.....	7.21	2.11	342%	5.32/1964	1ST
OXNARD (NWS).....	9.16	2.11	434%	6.25/1997	1ST

SANTA BARBARA AIRPORT....	10.36	2.26	458%	6.78/1945	1ST
SANTA MARIA AIRPORT.....	9.82	1.84	535%	7.50/1941	1ST

AVERAGE TEMPERATURES FOR THE MONTH WERE GENERALLY WITHIN TWO DEGREES OF NORMAL...EXCEPT 2 TO 5 DEGREES ABOVE NORMAL IN THE MOUNTAINS... ANTELOPE VALLEY AND THE INTERIOR VALLEYS. IN GENERAL...MAXIMUM TEMPERATURES AVERAGED 2 TO 4 DEGREES BELOW NORMAL IN COASTAL AND VALLEY AREAS...AND NEAR NORMAL IN THE MOUNTAINS AND DESERTS. LOW TEMPERATURES AVERAGED 3 TO 6 DEGREES ABOVE NORMAL...EXCEPT UP TO 8 DEGREES ABOVE NORMAL IN THE DESERTS...AND GENERALLY 1 TO 3 DEGREES ABOVE NORMAL ACROSS THE LOS ANGELES AND VENTURA COUNTY COASTAL PLAIN.

THE FIRST FEW DAYS IN DECEMBER 2010 WERE GENERALLY MILD AND DRY ACROSS THE REGION. A STORM SYSTEM MOVED INTO CENTRAL CALIFORNIA ON THE 5TH. ITS ASSOCIATED FRONT BROUGHT RAIN TO THE REGION ON THE 5TH INTO THE EARLY MORNING HOURS OF THE 6TH. RAINFALL TOTALS GENERALLY AVERAGED ONE THIRD OF AN INCH TO THREE QUARTERS OF AN INCH ACROSS THE REGION. GUSTY SOUTH WINDS AFFECTED THE MOUNTAINS...WITH WIND GUSTS OF 40 TO 50 MPH COMMON FROM THE AFTERNOON OF THE 5TH THROUGH THE EARLY MORNING HOURS ON THE 6TH.

DRY WEATHER RETURNED ON THE 6TH AND CONTINUED THROUGH THE MIDDLE OF THE MONTH. A ROUND OF GUSTY NORTHWEST TO NORTH WINDS AFFECTED THE MOUNTAINS AND VALLEYS OF LOS ANGELES COUNTY AND THE SANTA YNEZ RANGE IN SANTA BARBARA COUNTY LATE ON THE 10TH INTO THE 11TH. PEAK WIND GUSTS INCLUDED 78 MPH AT WHITAKER PEAK...62 MPH AT CAMP NINE...55 MPH AT MALIBU HILLS...54 MPH AT WARM SPRINGS...52 MPH AT CHILAO AND AT MONTECITO HILLS...48 MPH AT NEWHALL PASS...44 MPH AT SANDBERG AND SAUGUS AND 32 MPH AT VAN NUYS.

THE LOW LEVEL FLOW TURNED NORTHEASTERLY ON THE 11TH AND 12TH...AND AN UPPER RIDGE OF HIGH PRESSURE MOVED INTO THE WEST COAST. THIS BROUGHT WELL ABOVE NORMAL TEMPERATURES TO MUCH OF THE REGION FROM THE 11TH THROUGH THE 13TH. ON THE 12TH...MANY NEW DAILY HIGH TEMPERATURE RECORDS WERE SET...INCLUDING 89 DEGREES AT SAN GABRIEL...88 DEGREES IN CAMARILLO...87 DEGREES AT LONG BEACH AIRPORT AND UCLA...85 DEGREES AT BURBANK AIRPORT...84 DEGREES AT THE NATIONAL WEATHER SERVICE IN OXNARD...AND 83 DEGREES AT LOS ANGELES AIRPORT.

A WEAK FRONTAL SYSTEM MOVED THROUGH THE REGION ON THE 15TH AND EARLY ON THE 16TH...BRINGING VERY LIGHT RAINFALL TO THE REGION...GENERALLY ON THE ORDER OF ONE TENTH OF AN INCH OR LESS.

A DRAMATIC CHANGE IN THE WEATHER PATTERN BEGAN AFTER THE 16TH. A LARGE UPPER LEVEL LOW PRESSURE SYSTEM MOVED INTO THE NORTHEASTERN PACIFIC...WELL OFF THE COAST OF THE PACIFIC NORTHWEST ON THE 17TH...THEN LINGERED THERE THROUGH THE 21ST. THE CIRCULATION AROUND THE SOUTHERN SIDE OF THIS UPPER LOW PUSHED VERY MOIST AIR WITH A SUBTROPICAL CONNECTION INTO THE REGION. THIS RIBBON OF MOISTURE REMAINED FOCUSED ACROSS SOUTHERN CALIFORNIA FROM THE 17TH THROUGH THE 21ST...BRINGING ALMOST CONTINUOUS RAIN TO THE REGION DURING THAT TIME. SEVERAL IMPULSES RIPPLING THROUGH THE MOIST SUBTROPICAL FLOW CAUSED PERIODS OF HEAVY RAIN AT TIMES. ON THE 21ST...THE UPPER LOW BEGAN TO SHIFT EASTWARD...AND ITS STRONG FRONTAL SYSTEM MOVED ACROSS SOUTHWESTERN CALIFORNIA LATE ON THE 21ST AND ON THE 22ND...PUTTING AN EXCLAMATION POINT ON WHAT WAS A VERY WET WEEK.

MANY DAILY RAINFALL RECORDS WERE SET ACROSS THE REGION FROM THE 17TH THROUGH THE 22ND. THAT STORM SYSTEM CONTRIBUTED GREATLY TO MAKING

DECEMBER 2010 ONE OF THE WETTEST IN RECORDED HISTORY ACROSS MUCH OF SOUTHERN CALIFORNIA.

ON THE 17TH...RAINFALL OF 0.98 INCHES AT LONG BEACH AIRPORT SET A NEW RAINFALL RECORD FOR THE DAY.

ON THE 18TH...DAILY RAINFALL RECORDS INCLUDED 3.19 INCHES AT SANTA MARIA AIRPORT AND 2.80 AT SANTA BARBARA AIRPORT...BOTH OF WHICH ALSO SET NEW RECORDS FOR ANY DAY DURING ANY MONTH OF DECEMBER.

ON THE 19TH...DAILY RAINFALL RECORDS INCLUDED 2.80 INCHES AT DOWNTOWN LOS ANGELES...WHICH WAS ITS 8TH WETTEST DECEMBER DAY EVER. AT SANTA BARBARA AIRPORT...THE TOTAL OF 2.79 INCHES SET A NEW DAILY RECORD. IT WAS ALSO ITS 2ND WETTEST DECEMBER DAY EVER...THE WETTEST HAVING BEEN SET THE PREVIOUS DAY. THE DAILY TOTAL OF 2.07 INCHES AT LONG BEACH AIRPORT SET A NEW RECORD FOR THE DAY...AND WAS ITS 3RD WETTEST DECEMBER DAY EVER. AT LOS ANGELES AIRPORT...THE DAILY TOTAL OF 2.23 INCHES SET A NEW DAILY RECORD...AND WAS THE 4TH WETTEST DECEMBER DAY EVER. A RECORD DAILY RAINFALL OF 2.13 INCHES WAS ALSO SET AT SANTA MARIA AIRPORT ON THE 19TH.

NEARLY 4 INCHES OF RAIN FELL NEAR OCEANO AIRPORT IN SAN LUIS OBISPO COUNTY IN A 24 HOUR PERIOD ENDING ON THE 19TH. SEVERAL CARS GOT STRANDED IN HIGH FLOOD WATERS...PROMPTING EVACUATIONS.

STRONG SOUTH WINDS AFFECTED MUCH OF THE REGION ON THE 19TH... WITH PEAK WIND GUSTS INCLUDING 72 MPH AT MILL CREEK...65 MPH AT LAKE PALMDALE...60 MPH AT CAMP NINE...58 MPH AT GRASS VALLEY AND PINE MOUNTAIN...AND 55 MPH AT CHILAO....39 MPH AT NEWHALL PASS AND SAUGUS AND 37 MPH AT SANTA MARIA.

ON THE 20TH...NEW DAILY RAINFALL RECORDS WERE SET AT LONG BEACH AIRPORT WITH 2.03 INCHES...ITS 4TH WETTEST DECEMBER DAY EVER...AT SANTA MARIA AIRPORT WITH 1.44 INCHES...AND AT LOS ANGELES AIRPORT WITH 1.17 INCHES. STRONG SOUTH WINDS AFFECTED THE MOUNTAINS AGAIN ON THE 20TH...WITH PEAK WIND GUSTS INCLUDING 74 MPH AT CHILAO... 66 MPH AT MILL CREEK...53 MPH AT CLEAR CREEK AND 46 MPH AT CAMP NINE.

ON THE 21ST...A DAILY RAINFALL RECORD OF 1.21 INCHES WAS SET AT LONG BEACH AIRPORT.

ON THE 22ND...A DAILY RAINFALL RECORD WAS SET AT LONG BEACH AIRPORT WITH 1.53 INCHES...AND THE DAILY RECORD OF 0.72 INCHES WAS TIED AT SANTA MARIA AIRPORT.

THE WEEK LONG SIEGE OF RAIN BROUGHT PERIODS OF FLOODING TO THE REGION...ALONG WITH SOME MUD AND DEBRIS FLOWS AND ROCK SLIDES...THE MOST SERIOUS OF WHICH OCCURRED ON THE 22ND. SIGNIFICANT FLOODING OF THE TRANSITION ROAD BETWEEN INTERSTATE 10 AND HIGHWAY 57 WAS REPORTED DURING THE EARLY MORNING OF THE 22ND...WITH A LARGE AMOUNT OF WATER IN LANES...AND MUD COMING DOWN FROM THE HILL SIDES. A SMALL MOUNTAIN SIDE COLLAPSED ONTO LITTLE TUJUNGA CANYON ROAD AT SAND CANYON HIGHWAY DURING THE LATE MORNING HOURS...AND ROCKS AND DEBRIS COVERED ALL LANES AT ONE POINT. DURING THE AFTERNOON HOURS OF THE 22ND...ALL LANES OF BIG ROCK CREEK ROAD IN THE ANTELOPE VALLEY WERE COVERED BY FLOODING AND DEBRIS...AND MUD AND HEAVY FLOODING WAS REPORTED ON AN ONRAMP TO THE 10 FREEWAY EAST OF DOWNTOWN LOS ANGELES. THREE CARS WERE TRAPPED IN FLOOD WATERS ON AVENUE H EAST OF LANCASTER DURING THE EARLY AFTERNOON HOURS...AND FIVE PEOPLE HAD TO BE RESCUED. A FUNNEL CLOUD WAS REPORTED NEAR THE SAN PEDRO AREA AT 240 PM ON THE

22ND.

RAINFALL TOTALS FOR THE WEEK LONG STORM WERE IMPRESSIVE...AVERAGING 5 TO 10 INCHES IN COASTAL AND VALLEY AREAS...AND 10 TO 18 INCHES IN THE FOOTHILLS AND MOUNTAINS...WITH LOCAL TOTALS AS HIGH AS 24 INCHES IN THE SAN GABRIEL MOUNTAINS AND THE MOUNTAINS OF WESTERN VENTURA COUNTY.

SOME SPECIFIC TOTALS INCLUDED 24.70 INCHES AT TANBARK IN THE LOS ANGELES COUNTY MOUNTAINS...24.09 INCHES AT NORTH FORK MATILIJA IN THE VENTURA COUNTY MOUNTAINS...18.90 INCHES AT CRYSTAL LAKE...18.66 INCHES AT NORDHOFF RIDGE...18.27 INCHES AT MATILIJA CANYON...18.11 INCHES AT SAN GABRIEL DAM...17.72 INCHES AT EL DESEO RANCH IN THE SANTA YNEZ MOUNTAINS...17.48 AT WEST FORK HELIPORT NEAR MOUNT WILSON...17.10 INCHES AT TECOLOTE CANYON IN THE SANTA YNEZ RANGE...15.12 INCHES AT SAN MARCOS PASS...13.50 INCHES AT ROCKY BUTTE...13.14 INCHES IN CLAREMONT...12.72 INCHES IN PASADENA...12.26 INCHES AT LAKE CASITAS...9.56 INCHES AT SAN LUIS OBISPO AIRPORT...8.87 INCHES IN OJAI...8.61 INCHES IN BEVERLY HILLS...8.53 INCHES AT LONG BEACH AIRPORT...8.16 INCHES IN DOWNTOWN LOS ANGELES...7.71 INCHES AT SANTA MARIA AIRPORT...7.44 INCHES IN NEWHALL...6.93 INCHES AT THE NATIONAL WEATHER SERVICE IN OXNARD...6.89 INCHES IN NORTHRIDGE...6.46 INCHES IN VENTURA...6.18 INCHES IN THOUSAND OAKS...6.10 INCHES IN AGOURA HILLS...4.92 INCHES IN WOODLAND HILLS...3.76 INCHES AT NEW CUYAMA AND 3.47 INCHES AT LANCASTER AIRPORT.

AFTER A COUPLE OF DRY DAYS...ANOTHER FRONT SWEEPED THROUGH THE REGION LATE ON THE 25TH AND INTO THE 26TH. SOUTH WINDS AHEAD OF THE FRONT PEAKED AT 46 MPH AT VANDENBERG AND 35 MPH AT SANTA MARIA.

THE FRONT BROUGHT RAINFALL TOTALS OF ONE HALF INCH TO ONE INCH IN MOST AREAS...WITH LOCALLY HIGHER TOTALS...ESPECIALLY IN THE FOOTHILLS. SOME RAINFALL TOTALS INCLUDED 1.39 INCHES AT LAKE LOPEZ...1.38 INCHES AT OCEANO...1.22 INCHES AT ROCKY BUTTE...1.16 INCHES AT SAN LUIS OBISPO AIRPORT...1.05 INCHES AT SANTA BARBARA AIRPORT...1.04 INCHES AT TANBARK...1.01 INCHES AT LAS TABLAS...0.90 INCHES AT DOWNTOWN LOS ANGELES...0.89 INCHES AT PASADENA...0.84 INCHES AT SANTA MONICA AIRPORT AND IN BEVERLY HILLS...0.78 INCHES AT THE NATIONAL WEATHER SERVICE IN OXNARD...0.72 INCHES AT LONG BEACH AIRPORT...0.67 INCHES AT BURBANK AIRPORT AND IN NORTHRIDGE...AND 0.63 INCHES IN AGOURA HILLS.

IN THE MOUNTAINS ABOVE 6000 FEET...SNOW ACCUMULATIONS OF 4 TO 8 INCHES WERE REPORTED...WITH 7 INCHES AT MOUNTAIN HIGH SKI RESORT AND 6 INCHES AT PINE MOUNTAIN CLUB.

BEHIND THE FRONT...GUSTY NORTHWEST TO NORTH WINDS DEVELOPED DURING THE EVENING OF THE 26TH. PEAK WIND GUSTS INCLUDED 70 MPH AT WHITAKER PEAK...54 MPH AT MALIBU HILLS AND CAMP NINE...53 MPH AT MONTECITO HILLS...49 MPH AT MALIBU HILLS AND 48 MPH AT CAMP NINE.

THE FINAL SYSTEM OF THE MONTH SWEEPED THROUGH THE REGION LATE ON THE 28TH AND 29TH. RAINFALL FOR THIS SYSTEM RANGED FROM 0.75 INCHES TO 1.50 INCHES NORTH OF POINT CONCEPTION...AND BETWEEN 0.50 AND 1.00 INCHES SOUTH OF POINT CONCEPTION...WITH LOCALLY HIGHER AMOUNTS IN THE FOOTHILLS. SOME TOTALS INCLUDED 1.54 INCHES AT SAN LUIS HARBOR...1.50 INCHES AT ROCKY BUTTE AND CAMBRIA...1.37 INCHES AT LOMPOC...1.22 INCHES AT SAN LUIS OBISPO AIRPORT...0.92 INCHES AT SANTA MARIA AIRPORT...0.92 AT WHITTIER...0.91 AT CLAREMONT AND TANBARK...0.82 INCHES AT DOWNTOWN LOS ANGELES...0.78 INCHES AT LONG

BEACH AIRPORT AND AT THE NATIONAL WEATHER SERVICE IN OXNARD...0.72 INCHES AT SANTA BARBARA AIRPORT...AND 0.55 INCHES AT WOODLAND HILLS.

BEHIND THIS FRONT...WIDESPREAD STRONG WEST TO NORTHWEST WINDS DEVELOPED ACROSS THE REGION DURING THE AFTERNOON OF THE 29TH. PEAK WIND GUSTS IMMEDIATELY BEHIND THE COLD FRONT DURING THE AFTERNOON AND EARLY EVENING HOURS OF THE 29TH INCLUDED 64 MPH AT LAGUNA PEAK...46 MPH AT VANDENBERG HILLS...44 MPH AT SANTA MARIA AND GAVIOTA...40 MPH AT OXNARD AIRPORT...CAMARILLO AIRPORT...MORRO BAY AND VENTURA HARBOR AND 38 MPH AT LOMPOC AIRPORT.

THE WINDS SHIFTED TO A MORE NORTHERLY DIRECTION DURING THE EVENING HOURS...AND THE WINDS INCREASED TO DAMAGING LEVELS IN SOME AREAS...PARTICULARLY ACROSS THE MOUNTAINS AND VALLEYS OF LOS ANGELES COUNTY AND THE SANTA YNEZ RANGE AND ADJACENT SOUTH COAST OF SANTA BARBARA COUNTY. PEAK WIND GUSTS DURING THE EVENING OF THE 29TH THROUGH THE MORNING OF THE 30TH INCLUDED 94 MPH AT WHITAKER PEAK...81 MPH AT WARM SPRINGS...72 MPH AT CHILAO...71 MPH AT CAMP NINE...67 MPH AT SANDBERG...61 MPH AT SAN RAFAEL HILLS AND SAUGUS...59 MPH AT ELIZABETH LAKE...56 MPH AT LANCASTER AND POPPY PARK...55 MPH AT MALIBU HILLS...54 MPH AT VAN NUYS AIRPORT...53 MPH AT MONTECITO HILLS...AND 42 MPH AT BURBANK AIRPORT. THERE WERE REPORTS OF NUMEROUS TREES DOWN ACROSS THE REGION WITH SCATTERED POWER OUTAGES. EXACERBATING THE PROBLEM WAS THAT THE WET SOIL...SOFTENED BY ALL THE RAIN...MADE IT EASIER FOR TREES TO BE UPROOTED BY THE GUSTY WINDS.

THE FIRST HALF OF THE RAIN SEASON...JULY THROUGH DECEMBER WAS THE 4TH WETTEST SINCE RECORDS BEGAN IN DOWNTOWN LOS ANGELES.

.....CLIMATE DATA FOR DECEMBER 2010.....

	AVG	AVG	AVG	NORM	MONTH	TOTAL	NORM	
PRECIP	HIGH	LOW	MONTH	MONTH	XTRMS	PRECIP	PRECIP	%
NORM	-----							
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L.A. DOWNTOWN	66.3	49.9	58.1	58.5	85/37	10.23	1.91	536%
L.A. ARPT	65.0	51.3	58.2	57.6	83/39	8.83	1.79	493%
LONG BEACH ARPT	64.6	47.9	56.2	57.1	87/35	10.41	1.76	591%
UCLA	66.5	52.0	59.2	58.6	87/43	11.23	2.39	470%
BURBANK ARPT	65.9	47.1	56.5	54.6	85/34	8.36	2.15	389%
WOODLAND HILLS	65.5	42.4	54.0	53.6	84/29	6.37	2.38	268%
LANCASTER ARPT	58.3	36.7	47.5	42.8	71/22	3.96	1.01	392%
SANDBERG	50.6	38.6	44.6	42.5	67/22	4.83	2.17	223%
CAMARILLO ARPT	64.3	46.6	55.5	55.9	88/34	7.21	2.11	342%
SANTA BARBARA ARPT	62.0	44.6	53.3	53.2	77/34	10.36	2.26	458%
SANTA MARIA ARPT	61.8	44.1	53.0	51.6	77/31	9.85	1.84	535%
PASO ROBLES ARPT	60.5	40.7	50.6	47.1	70/28	6.16	1.73	356%

*****JANUARY
2011*****

AFTER A VERY WET DECEMBER DURING WHICH SOME LOCATION SUCH AS DOWNTOWN LOS ANGELES RECEIVED MORE THAN TWO THIRDS OF ITS NORMAL SEASONAL RAINFALL...A PATTERN CHANGE LED TO A DRY JANUARY ACROSS THE REGION.

RAINFALL AVERAGED BETWEEN 20 AND 40 PERCENT OF NORMAL ACROSS THE REGION...EXCEPT 40 TO SLIGHTLY MORE THAN 50 PERCENT OF NORMAL ACROSS NORTHERN SANTA BARBARA AND SAN LUIS OBISPO COUNTIES.

TEMPERATURES FOR THE MONTH AVERAGED ABOUT ONE TO THREE DEGREES ABOVE NORMAL...EXCEPT NEAR NORMAL IN THE ANTELOPE VALLEY...AND NEAR 5 DEGREES ABOVE NORMAL AT SANDBERG IN THE MOUNTAINS. FREEZING TEMPERATURES WERE CONFINED TO THE MOUNTAINS...ANTELOPE VALLEY...AND INTERIOR VALLEYS OF SAN LUIS OBISPO AND SANTA BARBARA COUNTIES...ALTHOUGH LOCAL TEMPERATURES BELOW FREEZING WERE REPORTED IN THE OJAI VALLEY...AND IN THE WESTERN SAN FERNANDO VALLEY AT PIERCE COLLEGE IN WOODLAND HILLS.

A COLD UPPER LOW AND ITS ASSOCIATED FRONTAL SYSTEM DROPPED SOUTH SOUTHEASTWARD INTO THE REGION LATE ON THE 1ST INTO THE 2ND...BRINGING WIDESPREAD RAIN AND SNOW TO SOUTHWESTERN CALIFORNIA. RAIN SPREAD INTO SAN LUIS OBISPO COUNTY AND NORTHERN SANTA BARBARA COUNTY LATE ON THE 1ST...REACHING LOS ANGELES COUNTY DURING THE MORNING OF THE 2ND.

AHEAD OF THE FRONT...GUSTY SOUTH WINDS OCCURRED ACROSS SAN LUIS OBISPO AND SANTA BARBARA COUNTIES DURING THE EARLY MORNING HOURS OF THE 2ND. PEAK WIND GUSTS INCLUDED 48 MPH AT VANDENBERG AIR FORCE BASE...40 MPH AT LOMPOC AIRPORT...36 MPH AT FIGUEROA MOUNTAIN...AND 35 MPH AT SANTA MARIA AIRPORT AND LAS FLORES CANYONS.

THE RAIN PRODUCED SOME FLOODING AND WIDESPREAD PONDING OF WATER ON ROADWAYS ACROSS SAN LUIS OBISPO COUNTY ON THE MORNING OF THE 2ND. A LINE OF THUNDERSTORMS DEVELOPED JUST OFF THE CENTRAL COAST DURING THE EARLY AFTERNOON HOURS...AND PUSHED ONSHORE BRINGING LOCALLY HEAVY RAIN.

VERY COLD AND DRY AIR FROM THE DESERT BECAME ENTRAINED INTO THE SYSTEM ON THE 2ND...BRINGING WIDESPREAD ACCUMULATING SNOW TO THE ANTELOPE VALLEY. THE COLD AIR WORKING INTO THE REGION FROM THE DESERTS ALLOWED FOR VERY LOW SNOW LEVELS...DOWN TO AROUND OR JUST BELOW 1000 FEET IN SOME PARTS OF LOS ANGELES AND VENTURA COUNTIES. ACCUMULATING SNOW WAS REPORTED IN THE SANTA CLARITA VALLEY...AND THE FOOTHILLS ABOVE THE SAN FERNANDO AND SAN GABRIEL VALLEYS...AS WELL AS THE FOOTHILLS ABOVE THE VENTURA COUNTY VALLEYS. THE RAIN AND SNOW TURNED TO SHOWERS LATE ON THE 2ND...BUT SCATTERED SHOWERS LINGERED ACROSS LOS ANGELES AND EASTERN VENTURA COUNTIES THROUGH THE MORNING HOURS OF THE 3RD.

SOME SELECTED RAINFALL TOTALS FOR THE STORM INCLUDE 2.13 INCHES AS SAN LUIS OBISPO AIRPORT...1.46 INCHES AT PASO ROBLES AIRPORT...0.98 INCHES AT SANTA BARBARA AIRPORT...0.82 INCHES AT LONG BEACH AIRPORT...0.72 AT SANTA MARIA AIRPORT...0.65 INCHES AT LOS ANGELES AIRPORT...0.64 INCHES AT VAN NUYS AIRPORT...0.58 INCHES IN DOWNTOWN LOS ANGELES AND AT CAMARILLO AIRPORT...0.54 INCHES AT HAWTHORNE...AND 0.52 INCHES AT BURBANK AIRPORT.

WHILE RAINFALL AMOUNTS WERE MOSTLY ON THE MODEST SIDE...THE LOW SNOW LEVELS WERE IMPRESSIVE FOR SOUTHERN CALIFORNIA. SOME SNOWFALL TOTALS INCLUDED 8.5 INCHES AT MOUNT BALDY AT 7500 FEET...8 INCHES IN THE FOOTHILLS ABOVE PALMDALE AT 2700 FEET...8 INCHES NEAR LOCKWOOD VALLEY AT 5800 FEET...7 INCHES AT MOUNTAIN HIGH AT 7000 FEET...5 INCHES AT PINE MOUNTAIN CLUB AT 5500 FEET...3 INCHES IN QUARTZ HILL...3 INCHES JUST WEST OF LANCASTER AT 3000 FEET...3 INCHES JUST SOUTH OF PALMDALE AT 2650 FEET...AND 0.5 INCHES IN THE FOOTHILLS

ABOVE SANTA CLARITA AROUND 1500 FEET.

AFTER THAT STORM EXITED ON THE 3RD...GENERALLY DRY AND COOL WEATHER PERSISTED ACROSS SOUTHWESTERN CALIFORNIA THROUGH THE 10TH...WITH TEMPERATURES CONSISTENTLY BELOW NORMAL ACROSS THE REGION. A WEAK UPPER LOW DRIFTED ACROSS SOUTHERN PORTIONS OF THE FORECAST AREA ON THE 6TH AND EARLY ON THE 7TH...BRINGING ISOLATED SHOWERS...MAINLY TO LOS ANGELES COUNTY...BUT MOST OF THE REGION DID NOT RECEIVE MEASURABLE RAIN.

A WEAK FRONTAL SYSTEM MOVED THROUGH THE REGION ON THE 11TH...BRINGING A FEW LIGHT SHOWERS...BUT ALMOST NOTHING IN THE WAY OF MEASURABLE RAIN. HOWEVER...OFFSHORE FLOW DEVELOPED BEHIND THIS FRONT...AND PERSISTED FOR NEARLY THE REST OF THE MONTH. GUSTY SANTA ANA WINDS AFFECTED THE REGION AT TIMES THROUGH THE 28TH...WHICH RESULTED IN VERY DRY CONDITIONS. DAYTIME HIGH TEMPERATURES WERE GENERALLY ABOVE NORMAL TO WELL ABOVE NORMAL...ESPECIALLY IN COASTAL AND VALLEY AREAS...WHILE OVERNIGHT LOWS WERE RATHER CHILLY AT TIMES...ESPECIALLY IN WIND SHELTERED VALLEYS AND IN THE DESERT.

FROM THE 13TH THROUGH THE 15TH...GUSTY OFFSHORE WINDS AFFECTED MUCH OF LOS ANGELES AND VENTURA COUNTIES AS STRONG HIGH PRESSURE SETTLED INTO THE GREAT BASIN. WINDS STARTED OFF NORTHERLY IN NATURE ON THE 13TH...WITH THE STRONGEST WINDS THROUGH THE INTERSTATE 5 CORRIDOR...AND THROUGH AND BELOW PASSES AND CANYONS OF SOUTHERN SANTA BARBARA COUNTY...AND ACROSS THE SANTA MONICA RANGE. BY THE MORNING OF THE 14TH...WINDS TURNED MORE NORTHEASTERLY...WITH WIDESPREAD GUSTY WINDS AFFECTING MUCH OF LOS ANGELES AND VENTURA COUNTIES THROUGH THE MORNING OF THE 15TH.

PEAK WIND GUSTS FOR THE EVENT INCLUDED 82 MPH AT WHITAKER PEAK...75 MPH AT WILEY RIDGE...72 MPH AT MALIBU HILLS...66 MPH AT CHILAO AND CAMP NINE...63 AT MONTECITO HILLS...62 MPH AT SANDBERG...59 MPH AT LAGUNA PEAK...56 MPH AT WARM SPRINGS...49 MPH AT CHEESEBORO...47 MPH AT DEL VALLE...45 MPH AT LEO CARRILLO BEACH...42 MPH AT SAUGUS...40 MPH AT OXNARD AIRPORT...38 MPH AT VAN NUYS AIRPORT...AND 37 MPH AT CAMARILLO AIRPORT AND POINT MUGU.

STRONG NORTHERLY GRADIENTS BROUGHT ANOTHER ROUND OF GUSTY NORTH WINDS TO PORTIONS OF THE REGION LATE ON THE 16TH THROUGH THE MORNING HOURS OF THE 17TH. PEAK WIND GUSTS INCLUDED 65 MPH AT MONTECITO HILLS...63 MPH AT WHITAKER PEAK...54 MPH AT LAGUNA PEAK...49 MPH AT CAMP NINE...47 MPH AT MALIBU HILLS...AND 46 MPH AT CHILAO.

THE OFFSHORE WINDS AND HIGH PRESSURE ALOFT BROUGHT SIGNIFICANT WARMING TO THE REGION BEGINNING ON THE 12TH...WITH THE WARM WEATHER PEAKING ACROSS MUCH OF THE REGION FROM THE 14TH THROUGH THE 18TH. ON THOSE 5 DAYS...TEMPERATURES ROSE TO NEAR OR ABOVE THE 80 DEGREE MARK ACROSS MANY LOCATIONS OF THE INTERIOR COASTAL PLAIN SUCH AS DOWNTOWN LOS ANGELES...AND IN THE LOWER VALLEYS INCLUDING BURBANK AIRPORT AND VAN NUYS AIRPORT. ON THE 17TH...THE WARMEST DAY IN MOST AREAS...DAILY RECORD HIGH TEMPERATURES WERE SET AT PALMDALE AIRPORT AND LANCASTER AIRPORT...WITH HIGHS OF 76 DEGREES...AND AT SANTA BARBARA AIRPORT...WHERE THE HIGH WAS 80 DEGREES. AT SANDBERG...THE HIGH TEMPERATURE OF 65 DEGREES TIED THE DAILY RECORD.

YET ANOTHER ROUND OF GUSTY WINDS AFFECT THE REGION ON THE 19TH THROUGH THE 20TH. WINDS BEGIN BLOWING FROM THE NORTHWEST AND NORTH ON THE 19TH...THEN TRANSITIONED TO THE NORTHEAST LATE IN THE EVENING THROUGH THE MORNING HOURS OF THE 20TH. PEAK WIND GUSTS INCLUDED 84 MPH AT CAMP NINE...79 MPH AT LAGUNA PEAK...74 MPH AT WILEY

RIDGE...72 MPH AT CHILAO...62 MPH AT MALIBU HILLS AND WARM SPRINGS...61 MPH AT NEWHALL PASS...54 MPH AT CHEESEBORO...50 MPH AT SAUGUS...48 MPH AT ACTON...46 MPH AT LEO CARRILLO BEACH...45 MPH AT CAMARILLO AIRPORT...44 MPH AT OXNARD AIRPORT...43 MPH AT PIRU...AND 37 MPH AT VAN NUYS AIRPORT.

ON THE 21ST...THE HIGH TEMPERATURE OF 79 DEGREES AT CAMARILLO AIRPORT TIED A RECORD FOR THE DATE.

GUSTY NORTH TO NORTHEAST WINDS AFFECTED MUCH OF LOS ANGELES AND VENTURA COUNTIES ON THE 23RD. PEAK WIND GUSTS INCLUDED 76 MPH AT LAGUNA PEAK...66 MPH AT CHILAO...61 MPH AT WILEY RIDGE...56 MPH AT WARM SPRINGS...52 MPH AT CAMP NINE AND MALIBU HILLS...49 MPH AT WHITAKER PEAK...48 MPH AT CHEESEBORO...41 MPH AT OXNARD AIRPORT...AND 40 MPH AT LEO CARRILLO BEACH.

ON THE 25TH...THE HIGH TEMPERATURE OF 73 DEGREES AT PASO ROBLES AIRPORT SET A NEW RECORD FOR THE DATE...AS DID THE HIGH TEMPERATURE OF 75 DEGREES ON THE 26TH.

ANOTHER ROUND OF MODERATE NORTH TO NORTHEAST WINDS AFFECTED THE REGION ON THE 26TH AND 27TH. PEAK WIND GUSTS INCLUDED 67 MPH AT LAGUNA PEAK...59 MPH AT CHILAO...58 MPH AT WILEY RIDGE...57 MPH AT CAMP NINE AND WARM SPRINGS...46 MPH AT SAUGUS...45 MPH AT CHEESEBORO...40 MPH AT ACTON AND 38 MPH AT CAMARILLO AIRPORT.

ON THE 30TH...A WEAKENING FRONTAL SYSTEM HELD TOGETHER AS IT MOVED THROUGH THE REGION...BRINGING LIGHT AMOUNTS OF RAIN TO THE REGION...WITH SNOW IN THE MOUNTAINS.

.....CLIMATE DATA FOR JANUARY 2011.....

	AVG	AVG	AVG	NORM	MONTH	TOTAL	NORM	
PRECIP	HIGH	LOW	MONTH	MONTH	XTRMS	PRECIP	PRECIP	%
NORM								

L.A. DOWNTOWN	70.1	48.8	59.4	58.3	84/43	0.79	3.33	24%
L.A. ARPT	68.7	49.6	59.2	57.1	81/44	0.51	2.98	17%
LONG BEACH ARPT	69.7	46.2	58.0	57.0	83/40	1.15	2.95	39%
UCLA	70.9	52.2	61.6	57.9	86/40	0.93	4.09	23%
BURBANK ARPT	69.0	44.5	56.7	54.8	87/36	0.63	3.56	18%
WOODLAND HILLS	69.0	40.9	55.0	53.7	88/31	0.95	3.83	25%
LANCASTER ARPT	58.6	29.3	43.9	43.9	76/23	0.04	1.60	3%
SANDBERG	55.3	41.1	48.2	43.0	65/24	0.26	2.48	10%
CAMARILLO ARPT	69.4	44.1	56.7	55.6	84/37	0.82	3.41	24%
SANTA BARBARA ARPT	66.3	41.1	53.7	53.1	80/36	1.20	3.57	34%
SANTA MARIA ARPT	68.9	39.0	53.9	51.6	80/33	1.08	2.64	41%
PASO ROBLES ARPT	65.4	32.2	48.8	48.0	75/30	1.53	2.83	54%

*****FEBRUARY
2011*****

RAINFALL FOR THE MONTH OF FEBRUARY WAS SOMEWHAT BELOW NORMAL ACROSS SOUTHWESTERN CALIFORNIA. MOST LOCATIONS REPORTED RAINFALL OF 60 TO 80 PERCENT OF NORMAL...WITH PERCENTAGES OF NORMAL SLIGHTLY LOWER ACROSS IMMEDIATE COASTAL SECTIONS OF LOS ANGELES AND VENTURA COUNTIES AND IN THE MOUNTAINS...AND SLIGHTLY HIGHER ACROSS MUCH OF

SANTA BARBARA AND SAN LUIS OBISPO COUNTIES.

FEBRUARY 2011 WAS A VERY COOL MONTH ACROSS THE REGION. TEMPERATURES FOR THE MONTH AVERAGED 3 TO 5 DEGREES BELOW NORMAL IN MOST AREAS. ON AT LEAST ONE DAY DURING THE MONTH TEMPERATURES DROPPED TO 32 DEGREES OR BELOW IN MOST AREAS...WITH THE EXCEPTION OF IMMEDIATE COASTAL SECTIONS OF SOUTHERN SANTA BARBARA AND VENTURA COUNTIES...THE LOS ANGELES COUNTY COASTAL PLAIN...AND PORTIONS OF THE LOS ANGELES COUNTY VALLEYS.

THE MONTH OF FEBRUARY 2011 BEGAN ON A COOL AND DRY NOTE ACROSS THE REGION. STRONG HIGH PRESSURE BUILT INTO THE GREAT BASIN ON THE 1ST AND 2ND...PRODUCING STRONG TO DAMAGING NORTH TO NORTHEAST WINDS ACROSS MUCH OF LOS ANGELES AND VENTURA COUNTIES. PEAK WIND GUSTS ON THE 2ND INCLUDED 68 MPH AT WILEY RIDGE...67 MPH AT MALIBU HILLS...66 MPH AT CHILAO...59 MPH AT CAMP NINE...53 MPH AT CHEESEBORO...52 MPH AT WHITAKER PEAK...51 MPH AT LEO CARRILLO BEACH...47 MPH AT WARM SPRINGS...43 MPH AT CAMARILLO AIRPORT...42 MPH AT NEWHALL PASS...39 MPH AT POINT MUGU AND 37 MPH AT OXNARD AIRPORT.

WHILE THE WINDS DIMINISHED DURING THE EVENING OF THE 2ND...COOL AND DRY WEATHER PERSISTED THROUGH THE 5TH. ON THE 3RD...THE LOW TEMPERATURE OF 15 DEGREES AT LANCASTER AIRPORT TIED A RECORD FOR THE DATE.

SURFACE HIGH PRESSURE BUILDING ACROSS CALIFORNIA CREATED ANOTHER ROUND OF GUSTY NORTH WINDS ACROSS THE MOUNTAINS AND VENTURA AND LOS ANGELES COUNTIES...AND THE SAN FERNANDO AND SANTA CLARITA VALLEYS ON THE 6TH. PEAK WIND GUSTS INCLUDED 62 MPH AT WILEY RIDGE...57 MPH AT CHILAO...55 MPH AT CAMP NINE...52 MPH AT LAGUNA PEAK...51 MPH AT CHEESEBORO...47 MPH AT CLEAR CREEK...43 MPH AT WARM SPRINGS...40 MPH AT SANDBERG...39 MPH AT MALIBU HILLS AND 36 MPH AT NEWHALL PASS.

AN UPPER LEVEL RIDGE BROUGHT WARMER WEATHER TO THE REGION ON THE 6TH AND 7TH...WITH TEMPERATURES RISING WELL INTO THE 70S ACROSS INTERIOR SECTIONS OF THE COASTAL PLAIN AND IN THE VALLEYS.

STRONG SURFACE HIGH PRESSURE BUILDING INTO THE GREAT BASIN BROUGHT GUSTY SANTA ANA WINDS TO THE REGION FROM THE 9TH THROUGH THE 10TH. PEAK WIND GUSTS INCLUDED 77 MPH AT LAGUNA PEAK...68 MPH AT WILEY RIDGE...65 MPH AT WARM SPRINGS...63 MPH AT WHITAKER PEAK...62 MPH IN THE FOOTHILLS ABOVE MALIBU...57 MPH AT CAMP NINE...55 MPH AT CHILAO...50 MPH AT DEL VALLE...48 MPH AT MALIBU HILLS AND NEWHALL PASS...46 MPH AT CHEESEBORO...44 MPH AT SAUGUS...39 MPH AT CAMARILLO AIRPORT...AND 37 MPH AT OXNARD AIRPORT.

ON THE 10TH...THE LOW TEMPERATURE OF 20 DEGREES AT LANCASTER AIRPORT TIED A DAILY RECORD.

THE WEATHER WAS GENERALLY WARM AND DRY ACROSS THE REGION ON THE 11TH AND 12TH. THE 12TH WAS THE WARMEST DAY OF THE MONTH IN MANY AREAS...WITH HIGH TEMPERATURES AROUND OR EVEN SLIGHTLY ABOVE 80 DEGREES ACROSS INTERIOR SECTIONS OF THE COASTAL PLAIN AND IN THE VALLEYS. SOME COOLING BEGAN ON THE 13TH...THEN MORE SIGNIFICANT COOLING TOOK PLACE ACROSS THE REGION ON THE 14TH AS A WEAKENING FRONTAL SYSTEM PUSHED INTO THE CENTRAL COAST. ONLY LOCATIONS NORTH OF POINT CONCEPTION RECEIVED MEASURABLE RAIN FROM THIS FRONTAL SYSTEM...MOSTLY ONE TENTH OF AN INCH OR LESS...WITH SOME EXCEPTIONS INCLUDING 0.67 INCHES AT ROCKY BUTTE...0.26 INCHES AT LAS TABLAS...0.20 INCHES AT UPPER TORO CREEK...0.19 INCHES AT POINT PIEDRAS BLANCAS AND 0.16 INCHES AT CAMBRIA.

A LARGE UPPER LEVEL TROUGH OVER THE EASTERN PACIFIC ON THE 14TH AND 15TH MOVED INTO THE WEST COAST ON THE 16TH. MOIST ONSHORE FLOW AHEAD OF A COLD FRONT CAUSED RAIN TO DEVELOP ACROSS MUCH OF SOUTHWESTERN CALIFORNIA LATE ON THE 15TH AND EARLY ON THE 16TH...THEN RAIN TURNED TO SCATTERED SHOWERS BEHIND THE FRONT BY THE AFTERNOON HOURS OF THE 16TH.

SOME RAINFALL TOTALS FROM THE EVENING OF THE 15TH THROUGH THE 16TH INCLUDED 2.17 INCHES AT CRYSTAL LAKE...2.05 INCHES AT ROCKY BUTTE... 1.84 INCHES AT OPIDS CAMP...1.78 INCHES AT WEST FORK HELIPORT...1.69 INCHES AT MOUNT BALDY...1.66 INCHES AT NORDHOFF RIDGE...1.61 INCHES AT CAMP NINE...1.47 INCHES AT LAS TABLAS...1.26 INCHES AT PACOIMA DAM AND REFUGIO PASS...1.22 INCHES AT PASADENA...1.16 INCHES AT MOUNT WILSON...1.14 INCHES AT UPPER TORO CREEK...1.10 INCHES AT BRANCH MOUNTAIN...1.09 INCHES AT MONTECITO HILLS...1.06 INCHES AT HANSEN DAM...1.03 INCHES AT EATON DAM...0.99 INCHES AT HOLLYWOOD RESERVOIR AND SALINAS DAM...0.92 INCHES AT GETTY CENTER... 0.89 INCHES IN BEVERLY HILLS...0.87 INCHES AT MONTE NIDO...0.73 INCHES AT THE NATIONAL WEATHER SERVICE IN OXNARD...0.69 INCHES AT UCLA...0.68 INCHES AT SANTA BARBARA AIRPORT...0.66 INCHES AT CAMARILLO AIRPORT...0.65 INCHES AT DOWNTOWN LOS ANGELES...0.62 INCHES AT SAN LUIS OBISPO AIRPORT...0.61 INCHES AT NORTHRIDGE...0.56 INCHES AT CLAREMONT...0.40 INCHES AT BURBANK AIRPORT...0.39 INCHES AT LANCASTER AIRPORT...0.31 INCHES AT SANTA MARIA AIRPORT...0.24 INCHES AT PASO ROBLES AIRPORT...WOODLAND HILLS AND IN AGOURA HILLS...0.18 INCHES AT LONG BEACH AIRPORT... AND 0.09 INCHES AT LOS ANGELES AIRPORT.

A STRONG UPPER LOW MOVED INTO THE EASTERN PACIFIC ON THE 17TH. THE FRONTAL SYSTEM ASSOCIATED WITH THIS SYSTEM PUSHED INTO NORTHWESTERN SAN LUIS OBISPO COUNTY DURING THE LATE AFTERNOON AND EVENING HOURS OF THE 17TH...THEN MOVED LITTLE THROUGH THE MORNING HOURS OF THE 18TH. HOWEVER...AHEAD OF THE FRONT...ABUNDANT MOISTURE PUSHING INTO THE WEST COAST...CAUSING SOME LIGHT RAIN TO DEVELOP ACROSS THE REMAINDER OF REGION LATE ON THE 17TH INTO THE 18TH.

ALONG AND HEAD OF THE FRONT...GUSTY SOUTH WINDS AFFECTED THE REGION...ESPECIALLY ACROSS HIGHER TERRAIN. PEAK WIND GUSTS INCLUDED 78 MPH AT LAGUNA PEAK...73 MPH AT CAMP NINE...69 MPH AT CHILAO...62 MPH AT WHITAKER PEAK...59 MPH AT DIABLO CANYON...58 MPH AT SANDBERG AND CLEAR CREEK...52 MPH AT VANDENBERG AND SAUGUS...51 MPH AT MALIBU CANYON...48 MPH AT WILEY RIDGE...47 MPH AT NEWHALL PASS...WARM SPRINGS AND FIGUEROA MOUNTAIN...44 MPH AT SANTA MARIA AIRPORT AND MALIBU HILLS...41 MPH AT LEO CARRILLO BEACH AND 37 MPH AT POINT MUGU.

STEADY MODERATE TO HEAVY RAIN WITH THE FRONT OVERSPREAD SAN LUIS OBISPO AND SANTA BARBARA COUNTIES DURING THE AFTERNOON HOURS OF THE 18TH...AND ACROSS VENTURA AND LOS ANGELES COUNTIES DURING THE EVENING. THE RAIN CAUSE WIDESPREAD MINOR FLOODING AND PONDING OF WATER ON AREA ROADWAYS THROUGHOUT THE REGION.

LATE IN THE EVENING ON THE 18TH...A LINE OF STRONG THUNDERSTORMS AFFECTED SOUTHWESTERN SAN LUIS OBISPO COUNTY AND WESTERN SANTA BARBARA COUNTY. THESE STORMS PRODUCED SMALL HAIL AND WIND GUSTS OVER 60 MPH...INCLUDING A GUST TO 64 MPH AT VANDENBERG AIR FORCE BASE.

BEHIND THE FRONTAL BAND...RAIN TURNED TO SHOWERS ON THE CENTRAL COAST DURING THE PREDAWN HOURS OF THE 19TH...BUT NOT UNTIL LATE MORNING ACROSS LOS ANGELES COUNTY.

THE CENTER OF THE UPPER LOW TRACKED ACROSS NORTHERN SECTIONS OF THE FORECAST AREA DURING THE AFTERNOON AND EVENING HOURS OF THE 19TH...BRINGING ADDITIONAL SHOWER AND THUNDERSTORM ACTIVITY TO THE REGION. SHOWERS ASSOCIATED WITH THE CENTER OF THE UPPER LOW WERE HEAVIEST AND MOST WIDESPREAD ACROSS LOS ANGELES AND VENTURA COUNTIES.

SNOW LEVELS...WHICH HAD GENERALLY BEEN BETWEEN 6000 AND 7000 FEET WITH THE FRONTAL SYSTEM ON THE 18TH...LOWERED DRAMATICALLY ON THE 19TH...DOWN TO BETWEEN 2000 AND 3000 FEET ACROSS THE REGION. IN FACT...SNOW WAS REPORTED TO BE MIXED WITH RAIN AT ELEVATIONS AS LOW AS 1500 FEET IN SAN LUIS OBISPO AND SANTA BARBARA COUNTIES DURING THE EVENING OF THE 19TH. PRECIPITATION ENDED ACROSS THE REGION DURING THE EARLY MORNING HOURS OF THE 20TH.

ALTHOUGH MOST OF THE RAIN FELL ON THE 18TH AND 19TH...STORM TOTALS FROM THE 17TH THROUGH THE EARLY MORNING HOURS OF THE 20TH INCLUDE 5.01 INCHES AT LAS TABLAS...4.37 INCHES AT ROCKY BUTTE...3.70 INCHES AT TANBARK...3.38 INCHES AT CAMBRIA...3.18 INCHES AT LAKE LOPEZ...2.83 INCHES AT LOMPOC...2.80 INCHES AT POINT PIEDRAS BLANCAS...2.68 INCHES AT SAN GABRIEL DAM...2.66 INCHES AT SOLVANG...2.60 INCHES AT STATION CANYON...2.40 INCHES AT CACHUMA DAM...2.37 INCHES AT LOS PRIETOS...2.33 INCHES AT REFUGIO PASS...2.22 INCHES AT SANTA MARIA AIRPORT...2.14 INCHES AT BUELLTON...2.09 INCHES AT SANTA ANITA DAM...2.08 INCHES AT EATON DAM...1.97 INCHES IN AGOURA HILLS...1.89 INCHES AT MONTE NIDO AND MORRIS DAM...1.74 INCHES AT SANTA BARBARA AIRPORT...FILLMORE AND SANTA FE DAM...1.70 INCHES IN THOUSAND OAKS...1.67 INCHES IN OJAI...1.65 INCHES AT EAGLE ROCK RESERVOIR AND PASO ROBLES AIRPORT...1.57 INCHES IN NORTHRIDGE...1.46 INCHES IN CHATSWORTH...1.45 INCHES IN VAN NUYS AIRPORT...1.44 INCHES IN DOWNTOWN LOS ANGELES...1.41 INCHES IN NEWHALL...1.32 INCHES IN CLAREMONT...1.29 INCHES AT SAN LUIS OBISPO AIRPORT...1.27 INCHES AT GETTY CENTER...1.26 INCHES IN PASADENA...1.23 INCHES IN BEVERLY HILLS...1.21 INCHES AT BURBANK AIRPORT...0.95 INCHES AT SANTA MONICA AIRPORT...0.82 INCHES IN TORRANCE...0.73 INCHES AT LOS ANGELES AIRPORT...LONG BEACH AIRPORT AND AT THE NATIONAL WEATHER SERVICE IN OXNARD...0.46 INCHES AT LANCASTER AIRPORT AND 0.20 INCHES AT PALMDALE AIRPORT.

SNOWFALL TOTALS FROM THE 17TH THROUGH THE 20TH INCLUDED 24 INCHES AT MOUNTAIN HIGH AT 7000 FEET...18 INCHES AT BIG PINES IN LOS ANGELES COUNTY AT 7000 FEET...16 INCHES AT MOUNT BALDY AT 8000 FEET...12 INCHES AT MOUNT PINOS AT 8200 FEET...9 INCHES AT MOUNT WILSON AT 5700 FEET...8.5 INCHES AT LLANO AT 4000 FEET...3 TO 6 INCHES IN CUDDY VALLEY BETWEEN 5500 AND 6000 FEET AND PINON PINES BETWEEN 5000 AND 5500 FEET...2 INCHES AT WHEELER GRADE OFF HIGHWAY 33 AT 2000 FEET AND 1 INCH AT LAKE OF THE WOODS AT 4500 FEET.

BEHIND THIS STORM SYSTEM...DRY AND CHILLY WEATHER AFFECTED THE REGION FROM THE LATE MORNING HOURS ON THE 20TH THROUGH THE 24TH. AVERAGE TEMPERATURES DURING THIS PERIOD WERE 5 TO 10 DEGREES BELOW SEASONAL NORMALS ACROSS MUCH OF THE REGION.

AN EXTREMELY COLD STORM SYSTEM ORIGINATING IN CANADA DROPPED SOUTHWARD THROUGH THE PACIFIC NORTHWEST AND INTO CALIFORNIA ON THE 25TH AND 26TH. SCATTERED SHOWERS DEVELOPED ACROSS THE REGION ON THE 25TH. ITS FRONTAL SYSTEM BROUGHT A PERIOD OF STEADY MODERATE TO HEAVY RAIN TO SAN LUIS OBISPO AND SANTA BARBARA COUNTIES DURING THE AFTERNOON AND NIGHT OF THE 25TH...AND TO VENTURA AND LOS ANGELES COUNTIES DURING THE NIGHT OF THE 25TH AND THE EARLY MORNING HOURS OF THE 26TH.

GUSTY SOUTH WINDS AFFECTED PORTIONS OF THE REGION ON THE 25TH AHEAD OF THE FRONT. PEAK WIND GUSTS INCLUDED 61 MPH AT CLEAR CREEK...58 MPH AT LAKE PALMDALE...53 MPH AT LAGUNA PEAK AND CHILAO...49 MPH AT VANDENBERG...48 MPH AT BRANCH MOUNTAIN...47 MPH AT WILEY RIDGE...41 MPH AT NEWHALL PASS AND MALIBU HILLS AND 39 MPH AT SAUGUS.

SNOW LEVELS WITH THE FRONT ITSELF WERE ALREADY RATHER LOW...GENERALLY BETWEEN 3000 AND 4000 FEET. BEHIND THIS FRONT...AFTER A MOSTLY DRY START TO THE MORNING ON THE 26TH...NUMEROUS SHOWERS AND ISOLATED DEVELOPED ACROSS THE REGION BY MID MORNING...AND CONTINUED THROUGH THE EVENING HOURS OF THE 26TH. THE BULK OF THE SHOWER ACTIVITY OCCURRED IN THE VALLEYS...FOOTHILLS AND MOUNTAINS. IN THE COLD AIR BEHIND THE FRONT...SNOW LEVELS DROPPED TO UNUSUALLY LOW LEVELS ACROSS THE REGION ON THE 26TH...BRINGING SNOW FOR THE FIRST TIME IN MORE THAN 20 YEARS TO SOME VALLEY LOCATIONS AT ELEVATIONS BELOW 1000 FEET. SOME SNOW WAS BRIEFLY REPORTED IN PORTIONS OF SIMI VALLEY...PORTIONS OF THE SANTA CLARITA VALLEY...AND IN THE FOOTHILLS OF THE SAN GABRIEL AND SAN FERNANDO VALLEYS. SNOW ACCUMULATIONS IN THESE AREAS WERE LOCALIZED...GENERALLY LESS THAN ONE INCH...AND CONFINED MAINLY TO GRASSY AREAS.

RAINFALL TOTALS FROM THE 25TH AND 26TH INCLUDED 3.54 INCHES AT WEST FORK HELIPORT NEAR MOUNT WILSON...3.51 INCHES AT NORDHOFF RIDGE...2.95 INCHES AT SAN GABRIEL DAM...2.75 INCHES AT LAKE PIRU...2.60 INCHES AT CLAREMONT...2.60 INCHES AT SANTA ANITA DAM...2.44 INCHES AT EATON DAM...2.28 INCHES AT WHITE LEDGE PEAK...2.16 INCHES AT MONTECITO HILLS AND PACOIMA DAM...2.09 INCHES AT SAN MARCOS PASS...2.01 INCHES AT MORRIS DAM...1.97 INCHES AT LA VERNE...1.96 INCHES AT ROSE VALLEY...1.94 INCHES AT GIBRALTAR DAM...1.85 INCHES AT STATION CANYON...1.81 INCHES AT MONTE NIDO AND MOUNT CAVALRY...1.80 INCHES AT LAKE CASITAS...1.77 INCHES AT CIRCLE X RANCH...1.67 INCHES AT SANTA FE DAM...1.66 INCHES AT LAS TABLAS...1.65 INCHES IN BEVERLY HILLS AND FIGUEROA MOUNTAIN...1.62 INCHES AT BALD MOUNTAIN...1.45 INCHES IN OJAI...1.40 INCHES AT UCLA...1.38 INCHES AT REFUGIO PASS...1.25 INCHES AT SANTA BARBARA AIRPORT...1.22 INCHES IN CANOGA PARK...1.20 INCHES AT DOWNTOWN LOS ANGELES...1.18 INCHES AT LA CONCHITA...1.15 INCHES IN NEWHALL...1.06 INCHES AT BURBANK AIRPORT...1.02 INCHES IN AGOURA HILLS...0.98 INCHES AT SANTA MONICA AIRPORT...0.84 INCHES AT SAN LUIS OBISPO AIRPORT...0.83 INCHES AT VAN NUYS AIRPORT...0.75 INCHES AT CAMARILLO AIRPORT...0.74 INCHES AT THE NATIONAL WEATHER SERVICE IN OXNARD...0.67 INCHES AT LONG BEACH AIRPORT...0.61 INCHES AT LOS ANGELES AIRPORT...0.59 INCHES AT LANCASTER AIRPORT...0.48 INCHES AT PALMDALE AIRPORT...AND 0.47 INCHES AT SANTA MARIA AIRPORT.

SNOWFALL TOTALS FOR THE 25TH AND 26TH INCLUDED 48 INCHES AT MOUNT BALDY AT 7500 FEET...30 INCHES AT MOUNTAIN HIGH AT 7000 FEET...28 INCHES AT BIG PINES IN LOS ANGELES COUNTY AT 7000 FEET...22 INCHES AT WRIGHTWOOD AT 6300 FEET...16 INCHES AT MOUNT WILSON AND 5700 FEET AND AT WRIGHTWOOD AT 6000 FEET...6 INCHES AT PINE MOUNTAIN AT 5400 FEET...5 INCHES AT CUDDY VALLEY AT 5900 FEET...4 INCHES AT VENTUCOPA AT 2900 FEET...3 INCHES AT LOCKWOOD VALLEY AT 5200 FEET...2 INCHES AT PALMDALE AT 2600 FEET AND PEARBLOSSOM AT 3000 FEET...1 INCH IN CUYAMA AT 2400 FEET AND ONE HALF INCH AT LA CRESCENTA AT 1700 FEET.

A COLD AIR MASS SETTLED ACROSS THE REGION BEHIND THAT STORM SYSTEM. WIDESPREAD FROST AFFECTED AREAS AWAY FROM THE COAST DURING THE MORNING HOURS OF THE 27TH. ON THE 27TH...THE LOW TEMPERATURE OF 35 DEGREES AT LONG BEACH AIRPORT SET A NEW RECORD FOR THE DATE.

.....CLIMATE DATA FOR FEBRUARY
2011.....

	AVG	AVG	AVG	NORM	MONTH	TOTAL	NORM	
PRECIP	HIGH	LOW	MONTH	MONTH	XTRMS	PRECIP	PRECIP	%
NORM	-----							
--								
L.A. DOWNTOWN	65.0	46.2	55.6	60.0	80/39	3.29	3.68	89%
L.A. ARPT	63.3	47.3	55.3	58.0	80/41	1.47	3.11	47%
LONG BEACH ARPT	64.9	45.0	54.9	58.3	82/35	1.60	3.01	53%
UCLA	64.5	47.2	55.9	58.4	83/40	3.26	4.93	66%
BURBANK ARPT	63.6	41.8	52.7	56.9	80/34	2.89	4.29	67%
WOODLAND HILLS	63.7	38.2	51.0	55.4	80/30	2.42	4.40	55%
LANCASTER ARPT	58.2	30.0	44.1	47.6	75/15	1.32	1.62	81%
SANDBERG	47.8	32.8	40.3	44.5	64/22	1.41	3.21	44%
CAMARILLO ARPT	64.2	41.0	52.6	56.2	82/32	2.22	3.90	57%
SANTA BARBARA ARPT	61.3	39.5	50.4	55.2	75/33	3.81	4.28	89%
SANTA MARIA ARPT	62.2	37.3	49.8	53.1	77/29	3.00	3.23	93%
PASO ROBLES ARPT	61.1	33.9	47.5	51.1	76/25	2.51	2.87	87%

*****MARCH
2011*****

RAINFALL FOR THE MONTH OF MARCH WAS GENERALLY WELL ABOVE NORMAL ACROSS SOUTHWESTERN CALIFORNIA. MOST LOCATIONS REPORTED RAINFALL ROUGHLY BETWEEN 125 AND 175 PERCENT OF NORMAL...WITH SOME LOCATIONS IN VENTURA AND SANTA BARBARA COUNTIES REPORTING OVER 200 PERCENT OF NORMAL.

AVERAGE TEMPERATURES FOR THE MONTH OF MARCH 2011 WERE GENERALLY WITHIN A DEGREE ON EITHER SIDE OF NORMAL IN MOST AREAS. THERE WERE A COUPLE OF DAYS WITH LIGHT FROST ACROSS THE VALLEYS OF WESTERN AND NORTHERN LOS ANGELES COUNTY...THE VALLEYS OF VENTURA COUNTY...AND MOST COASTAL AND COASTAL VALLEY AREAS OF SANTA BARBARA AND SAN LUIS OBISPO COUNTIES...BUT TEMPERATURES AT OR BELOW FREEZING WERE CONFINED TO THE MOUNTAINS...THE ANTELOPE VALLEY...AND THE INTERIOR VALLEYS OF SANTA BARBARA AND SAN LUIS OBISPO COUNTIES.

MARCH 2011 BEGAN ON THE CHILLY NOTE ACROSS THE REGION. ON THE 1ST...LOW TEMPERATURES DROPPED INTO THE 30S IN MOST AREAS...EXCEPT REMAINED IN THE 40S IN COASTAL SECTIONS OF LOS ANGELES COUNTY AND IN PORTIONS OF THE SAN GABRIEL AND SAN FERNANDO VALLEYS. LIGHT FROSTS AFFECTED THE WESTERN AND NORTHERN PORTION OF THE SAN FERNANDO VALLEY...MUCH OF THE VALLEYS OF VENTURA COUNTY...AND MANY COASTAL AND LOWER VALLEY AREAS OF SANTA BARBARA AND SAN LUIS OBISPO COUNTY. TEMPERATURE DROPPED BELOW FREEZING ACROSS THE INTERIOR VALLEYS OF SAN LUIS OBISPO AND SANTA BARBARA COUNTIES...IN THE MOUNTAINS AND IN THE ANTELOPE VALLEY. IT WAS THE COLDEST MORNING OF THE MONTH IN MANY REPORTING LOCATIONS.

A WEAK FRONTAL SYSTEM PUSHED THROUGH THE REGION ON THE 2ND...CAUSING A BAND OF MOSTLY LIGHT RAIN TO PUSH ACROSS THE REGION...WITH SCATTERED SHOWER ACTIVITY LINGERING INTO THE MORNING HOURS OF THE 3RD. SOME RAINFALL TOTALS INCLUDED 0.55 INCHES AT THE TAJIGUAS LANDFILL...0.51 INCHES AT UPPER TORO CREEK...0.48 INCHES AT CIRCLE X RANCH...0.39 INCHES AT CAMBRIA AND POINT PIEDRAS BLANCAS AND OLD MAN

MOUNTAIN...0.36 INCHES AT WHITE LEDGE PEAK...0.29 INCHES AT SANTA BARBARA AIRPORT...0.26 INCHES AT MOUNT WILSON...0.23 INCHES AT BEVERLY HILLS AND UCLA...0.20 INCHES AT THE NATIONAL WEATHER SERVICE IN OXNARD...CAMARILLO AIRPORT AND TWITCHELL DAM...0.19 INCHES AT LOS ANGELES AIRPORT AND BURBANK AIRPORT...0.16 INCHES AT DOWNTOWN LOS ANGELES...IN AGOURA HILLS AND AT SAN LUIS OBISPO AIRPORT...0.14 INCHES AT VAN NUYS AIRPORT AND 0.09 INCHES AT LONG BEACH AIRPORT.

DRY WEATHER RETURNED TO THE REGION ON THE 4TH AND 5TH...AND TEMPERATURES ROSE TO ABOVE NORMAL LEVELS IN MOST AREAS.

A WEAK FRONTAL SYSTEM MOVED THROUGH THE REGION ON THE 6TH AND EARLY ON THE 7TH...BRINGING SOME SHOWERS TO THE REGION. RAINFALL TOTALS WERE GENERALLY AROUND ONE TENTH OF AN INCH OR LESS IN MOST AREAS...EXCEPT BETWEEN ONE TENTH AND ONE QUARTER OF AN INCH ACROSS EASTERN LOS ANGELES COUNTY...AND ACROSS PORTIONS OF SAN LUIS OBISPO AND SANTA BARBARA COUNTIES.

BEHIND THE FRONT...GUSTY WEST TO NORTHWEST WINDS AFFECTED MUCH OF THE REGION ON THE 7TH. WINDS WERE PARTICULARLY STRONG IN THE ANTELOPE VALLEY. BY LATE MORNING...WIND GUSTS BETWEEN 60 AND 70 MPH WERE REPORTED ACROSS PORTIONS OF THE ANTELOPE VALLEY...AND BLOWING DUST CAUSED VISIBILITIES TO BE REDUCED TO NEAR ZERO IN SOME AREAS. DURING THE LATE MORNING HOURS...50 POWER POLES WERE REPORTEDLY BLOWN DOWN ON 110TH STREET NEAR THE LOS ANGELES AND KERN COUNTY LINE. THE STRONGEST WINDS DURING THE MORNING AND AFTERNOON HOURS WERE GENERALLY IN COASTAL AREAS AND ACROSS THE ANTELOPE VALLEY. AS WINDS SHIFTED TO A MORE NORTHERLY DIRECTION LATE IN THE DAY...THE STRONGEST WINDS BECAME FOCUSED ON THE INTERSTATE 5 CORRIDOR AND ACROSS THE SAN FERNANDO VALLEY IN LOS ANGELES COUNTY. THE GUSTY WINDS CONTINUED THROUGH THE MORNING HOURS OF THE 8TH. MANY TREES AND POWER LINES WERE KNOCKED DOWN ACROSS THE REGION ON THE 7TH AND EARLY ON THE 8TH.

SOME PEAK WINDS GUSTS FOR THE 7TH AND 8TH INCLUDED 83 MPH AT WHITAKER PEAK...76 MPH AT CAMP NINE...71 MPH AT SAUGUS...68 MPH AT LANCASTER AIRPORT...64 MPH AT SANDBERG...63 MPH AT WARM SPRINGS...62 MPH AT PALMDALE AIRPORT...59 MPH AT POPPY PARK AND LAKE PALMDALE...58 MPH AT MALIBU HILLS...54 MPH AT NEWHALL PASS AND CLEAR CREEK...52 MPH AT LAGUNA PEAK AND DEL VALLE...49 MPH AT CHEESEBORO...48 MPH AT SADDLEBACK BUTTE...44 MPH AT MONTECITO HILLS...43 MPH AT POINT MUGU...41 MPH AT OXNARD AIRPORT AND VANDENBERG...40 MPH AT VAN NUYS AIRPORT AND LONG BEACH AIRPORT...38 MPH AT CAMARILLO AIRPORT AND SANTA BARBARA AIRPORT...37 MPH AT LOS ANGELES AIRPORT AND 35 MPH AT SANTA MARIA AIRPORT.

SIGNIFICANT WARMING OCCURRED ACROSS THE REGION ON THE 9TH AND 10TH...WITH HIGH TEMPERATURES IN THE 80S ACROSS INTERIOR SECTIONS OF THE COASTAL PLAIN AND IN THE VALLEYS. ON THE 9TH...THE HIGH TEMPERATURE OF 81 DEGREES AT LOS ANGELES AIRPORT BROKE THE RECORD FOR THE DATE.

THE WEATHER ACROSS THE REGION WAS MOSTLY BENIGN THROUGH THE MIDDLE OF THE MONTH...WITH COOL WEATHER ON THE 11TH AND 12TH GIVING WAY TO ABOVE NORMAL TEMPERATURES IN MOST AREAS BY THE 14TH AND 15TH. SOME COOLING BROUGHT TEMPERATURES TO NEAR NORMAL LEVELS ON THE 16TH AND 17TH...WITH DRY CONDITIONS ACROSS THE REGION.

A LARGE UPPER LOW GATHERING STRENGTH IN THE GULF OF ALASKA DROPPED SOUTHEASTWARD TOWARD THE PACIFIC NORTHWEST ON THE 17TH. ON THE 18TH AND 19TH...THIS VERY STRONG AND COLD UPPER LOW WELL OFF THE

COAST OF WASHINGTON BEGAN TO DRIFT SOUTHEASTWARD THROUGH THE PACIFIC. A WEAK FRONT ASSOCIATED WITH THIS STORM SYSTEM MOVED THROUGH THE REGION DURING LATE EVENING HOURS OF THE 18TH AND THE MORNING HOURS OF THE 19TH...BRINGING A PERIOD OF LIGHT TO MODERATE RAIN TO THE REGION. RAINFALL TOTALS WERE GENERALLY ON THE ORDER OF ONE QUARTER TO ONE HALF INCH IN MOST AREAS...ALTHOUGH COASTAL SECTIONS OF LOS ANGELES COUNTY GENERALLY RECEIVED ONE TENTH OF AN INCH OF RAIN OR LESS.

ARGUABLY THE STRONGEST STORM OF THE WINTER...IN TERMS OF THE COMBINATION OF WIDESPREAD HEAVY RAIN AND DAMAGING WINDS AFFECTED THE REGION LATE ON THE 19TH THROUGH THE 20TH. THE LARGE UPPER LOW CONTINUED TO DROP SOUTH SOUTHEASTWARD ON THE 19TH...REACHING A POSITION OFF THE COAST OF CENTRAL CALIFORNIA DURING THE LATE EVENING HOURS. A STRONG SURFACE LOW DEVELOPED ABOUT 300 MILES WEST OF POINT CONCEPTION DURING THE EVENING OF THE 19TH. THIS LOW STRENGTHENED AND MOVED NORTHEASTWARD TOWARD THE COAST OF CENTRAL CALIFORNIA. THIS CAUSED A VERY SHARP SOUTH TO NORTH PRESSURE GRADIENT TO DEVELOP ACROSS SOUTHERN CALIFORNIA. STRONG SOUTHERLY LOW LEVEL FLOW PUMPED INCREASINGLY MOISTURE-LADEN AIR INTO THE REGION FROM THE PACIFIC...CAUSING RAIN TO DEVELOP ACROSS SAN LUIS OBISPO AND SANTA BARBARA COUNTIES DURING THE EVENING HOURS OF THE 19TH.

SOUTHEAST WINDS INCREASED RAPIDLY AND THE RAIN BECAME HEAVY ACROSS SAN LUIS OBISPO COUNTY AND ESPECIALLY SANTA BARBARA COUNTY DURING THE EVENING OF THE 19TH AND THE EARLY MORNING HOURS OF THE 20TH...AND HEAVY RAIN AND STRONG WINDS CONTINUED INTO THE EARLY AFTERNOON. THE SOUTHERLY FLOW PRODUCED SIGNIFICANT OROGRAPHIC ENHANCEMENT OF THE RAINFALL ALONG AND BELOW SOUTH FACING MOUNTAIN SLOPES...AND RAINFALL RATES ACROSS THE FOOTHILLS OF SOUTHERN SANTA BARBARA COUNTY REACHED 1.6 INCHES PER HOUR BETWEEN 930 AM AND 1030 AM PDT. CALIFORNIA HIGHWAY PATROL INDICATED NUMEROUS REPORTS OF WIDESPREAD AND SIGNIFICANT FLOODING ACROSS THE AREA...INCLUDING ACROSS PARADISE ROAD...WHERE SEVERAL VEHICLES WERE TRAPPED IN WATER UP TO THEIR WINDOWS.

THE BAND OF HEAVY RAIN AND VERY STRONG WINDS FINALLY BEGIN TO SHIFT SLOWLY EASTWARD ACROSS VENTURA COUNTY DURING THE MORNING HOURS...AND VERY INTENSE RAINFALL AFFECTED MUCH OF THE VENTURA COUNTY COASTAL PLAIN. ISOLATED THUNDERSTORMS DEVELOPED AS THIS LINE MOVED INTO THE EASTERN HALF OF THE COUNTY. EASTWARD INTO BOTH CAMARILLO AIRPORT AND POINT MUGU REPORTED RAINFALL RATES OF BETWEEN 1.3 AND 1.5 INCHES PER HOUR DURING MID AFTERNOON. THE TORRENTIAL RAIN CAUSED SIGNIFICANT FLOODING ON ITS MOST IMPORTANT ROADWAY...THE 101 FREEWAY...AND IT WAS TEMPORARILY CLOSED DURING THE MID TO LATE AFTERNOON HOURS...ALONG WITH A FEW OTHER ROADS.

WINDS INCREASED ACROSS LOS ANGELES COUNTY BY AFTERNOON...AND THE AXIS OF THE HEAVIEST RAIN SHIFTED INTO THE COUNTY DURING THE LATE AFTERNOON AND EVENING HOURS. ANOTHER INTENSE LINE OF RAIN WITH EMBEDDED STRONG THUNDERSTORMS DEVELOPED FROM MALIBU NORTHWARD THROUGH THE SANTA MONICA MOUNTAINS INTO THE WESTERN SAN FERNANDO VALLEY AND THE SANTA CLARITA VALLEY. RAINFALL RATES REACHED 1.50-1.65 INCHES PER HOUR AT THREE SENSORS IN AND ABOVE MALIBU BETWEEN 530 AND 630 PM PDT. THE RAIN PRODUCED FLASH FLOODING OF A CREEK NEAR THE TOWN OF TOPANGA. SEVERAL VEHICLES WERE STUCK IN THE WATER...AND ONE WAS SWEEPED AWAY. NO INJURIES WERE REPORTED. SIGNIFICANT FLOODING OF ROADWAYS WAS REPORTED IN THE WESTERN SAN FERNANDO VALLEY AND IN THE SANTA CLARITA VALLEY. ROCK SLIDES CLOSED PORTIONS OF PACIFIC COAST HIGHWAY DURING THE EVENING.

THE MAIN RAIN BAND FINALLY PUSHED EAST OF LOS ANGELES COUNTY AROUND MIDNIGHT...AND SCATTERED SHOWERS CONTINUED THROUGH THE MORNING HOURS ON THE 21ST. IN THE INSTABILITY BEHIND THE FRONT ON THE MORNING OF THE 21ST...A WATERSPOUT WAS REPORTED OFF THE COAST JUST SOUTH OF LONG BEACH.

DURING THE PEAK OF THE STORM...SUSTAINED WINDS OF 25 TO 35 MPH WITH GUSTS OF 45 TO 65 MPH WERE COMMON IN COASTAL AND VALLEY AREAS. IN THE FOOTHILLS AND MOUNTAINS....SUSTAINED WINDS OF 40 TO 55 MPH AND GUSTS OF 65 TO 80 MPH WERE COMMON...WITH ISOLATED GUSTS TO NEAR 100 MPH. THERE WERE HUNDREDS OF REPORTS OF TREES AND POWER LINES DOWN...AND POWER OUTAGES WERE COMMON ACROSS THE REGION ON THE 20TH INTO THE 21ST.

SOME PEAK WIND GUSTS DURING THE EVENT INCLUDED 99 MPH AT A WIND TOWER AT 1450 FEET ABOVE SEA LEVEL AT VANDENBERG AIR FORCE BASE... 98 MPH AT CAMP NINE...79 MPH AT MILL CREEK...77 MPH AT VALYERMO AND CHILAO...74 MPH IN ROSE VALLEY...68 MPH AT CLEAR CREEK...66 MPH AT CHEESEBORO...65 MPH AT WRIGHTWOOD...64 MPH AT SANDBERG...63 MPH AT LAKE PALMDALE...61 MPH AT BIG PINES...60 MPH IN AGOURA HILLS... MALIBU HILLS...AND AT A VANDENBERG AFB TOWER AT 385 FEET...58 MPH AT MOUNT WASHINGTON...57 MPH AT SOLVANG AND NEWHALL PASS...55 MPH AT AVALON AIRPORT...54 MPH AT SAUGUS...52 MPH AT WILEY RIDGE...51 MPH AT VANDENBERG AIR FORCE BASE AT SEA LEVEL...50 MPH AT ACTON...48 MPH AT FIGUEROA MOUNTAIN...47 MPH AT OXNARD AIRPORT...46 MPH AT CAMARILLO AIRPORT AND BURBANK AIRPORT...44 MPH AT PASO ROBLES AIRPORT AND VAN NUYS AIRPORT...43 MPH AT POINT MUGU...LOS ANGELES AIRPORT AND LONG BEACH AIRPORT...41 MPH AT SAN LUIS OBISPO AIRPORT...39 MPH AT SANTA MARIA AIRPORT AND 38 MPH AT SANTA BARBARA AIRPORT. SUSTAINED WINDS OF 40 TO 45 MPH WERE MEASURED AT LAS FLORES CANYONS AND AT SANTA YNEZ AIRPORT.

WHEN ALL WAS SAID AND DONE...RAINFALL TOTALED 2.5 TO 5 INCHES IN COASTAL AND VALLEY AREAS...WITH LOCAL TOTALS OVER 7 INCHES...AND 4 TO 8 INCHES IN THE FOOTHILLS AND MOUNTAINS...WITH LOCAL TOTALS OF 10 TO 11 INCHES ACROSS SOUTHERN SANTA BARBARA COUNTY.

SOME RAINFALL TOTALS FROM THE 19TH THROUGH THE 21ST INCLUDE 11.73 INCHES AT GIBRALTAR DAM...11.13 INCHES AT LAKE CACHUMA RESERVOIR... 10.99 INCHES AT ROSE VALLEY...10.79 INCHES AT EL DESEO RANCH...10.75 INCHES AT ROSE VALLEY...10.19 INCHES AT SAN MARCOS PASS...9.45 INCHES AT NORDHOFF RIDGE...9.14 INCHES AT OLD MAN MOUNTAIN...8.13 INCHES AT LOS PRIETOS...7.70 INCHES AT MONTECITO...7.25 INCHES AT REFUGIO PASS...7.20 INCHES IN NEWHALL...7.18 INCHES AT OPIDS CAMP... 6.74 INCHES AT VAN NUYS AIRPORT...6.57 INCHES AT WHITE LEDGE PEAK... 6.49 INCHES IN OJAI...6.36 INCHES AT NORTH FORK MATILIJIA...6.27 INCHES AT SANTA BARBARA AIRPORT...6.08 INCHES AT NORTHRIDGE...5.91 INCHES AT MOUNT WILSON...5.89 INCHES AT LAS TABLAS...5.87 INCHES AT MOUNT CAVALRY...5.83 INCHES IN CHATSWORTH...5.58 INCHES AT CAMARILLO AIRPORT...5.37 INCHES IN FILLMORE...4.92 INCHES IN CANOGA PARK... 4.81 INCHES IN WOODLAND HILLS...4.79 INCHES IN BUELLTON...4.65 INCHES AT SAN LUIS OBISPO AIRPORT AND MOUNT BALDY...4.59 INCHES AT THE NATIONAL WEATHER SERVICE IN OXNARD...4.52 INCHES AT SANTA MARIA AIRPORT...4.51 INCHES IN BEVERLY HILLS...4.25 INCHES IN AGOURA HILLS...4.18 INCHES AT BURBANK AIRPORT...4.11 INCHES IN SAUGUS... 3.94 INCHES AT SANTA ANITA DAM...3.78 INCHES AT CAMBRIA...3.63 INCHES IN CLAREMONT...3.32 INCHES AT POPPY PARK...3.10 INCHES AT SANTA MONICA AIRPORT...2.88 INCHES AT LOS ANGELES AIRPORT...2.76 INCHES AT ROCKY BUTTE...2.61 INCHES IN DOWNTOWN LOS ANGELES...1.64 INCHES AT LONG BEACH AIRPORT...1.49 INCHES AT LANCASTER AIRPORT AND 1.29 INCHES AT PALMDALE AIRPORT.

SNOWFALL TOTALS FOR THE STORM INCLUDED 48 TO 60 INCHES AT MOUNT PINOS FROM 8200 TO 8800 FEET...42 TO 48 INCHES AT THE BASE OF MOUNT PINOS AS 5900 FEET...36 TO 48 INCHES AT MOUNT BALDY AT 7000 FEET...36 INCHES AT MOUNTAIN HIGH AT 7000 FEET...28 INCHES AT WRIGHTWOOD AT 6400 FEET...12 TO 36 INCHES AT LOCKWOOD VALLEY AT 5000 FEET...AT PINON PINES FROM 5000 TO 5500 FEET...AT PINE MOUNTAIN CLUB FROM 5000 TO 6500 FEET AND AT CUDDY VALLEY FROM 5500 TO 6000 FEET...12 TO 24 INCHES AT LAKE OF THE WOODS FROM 4500 TO 5000 FEET...AND 8 INCHES AT MOUNT WILSON AT 5600 FEET...AND 3 TO 6 INCHES AT GORMAN AND LEBEC AT 3500 TO 4000 FEET.

NOT SURPRISINGLY...MANY RAINFALL RECORDS WERE SMASHED ON THE 20TH... INCLUDING 5.23 INCHES AT SANTA BARBARA AIRPORT...4.91 INCHES AT CAMARILLO AIRPORT...4.21 INCHES AT THE NATIONAL WEATHER SERVICE IN OXNARD...3.85 INCHES AT BURBANK AIRPORT...3.46 INCHES AT SANTA MARIA AIRPORT...3.29 INCHES AT SANDBERG...2.42 INCHES IN DOWNTOWN LOS ANGELES...2.36 INCHES AT LOS ANGELES AIRPORT...2.02 INCHES AT PASO ROBLES AIRPORT...1.48 INCHES AT LANCASTER AIRPORT AND 1.29 INCHES AT PALMDALE AIRPORT.

AT SANTA BARBARA AIRPORT...MARCH 20TH 2011 WAS THE WETTEST CALENDAR DAY ON RECORD...WITH THE 5.23 INCHES OF RAIN EXCEEDING THE PREVIOUS RECORD OF 4.74 INCHES SET ON MARCH 15TH 2003.

AT CAMARILLO AIRPORT...IT WAS THE WETTEST CALENDAR DAY ON RECORD FOR THE MONTH OF MARCH...WITH 4.91 INCHES OF RAIN. THE PREVIOUS RECORD WAS MARCH 8TH 1968...WHEN 4.60 INCHES OF RAIN FELL. IT WAS THE 2ND WETTEST CALENDAR DAY EVER AT CAMARILLO AIRPORT...FOLLOWING JANUARY 26TH 1956...WHEN 5.96 INCHES OF RAIN WAS REPORTED.

AT PALMDALE AIRPORT...WHICH RECEIVED 1.29 INCHES OF RAIN...IT WAS THE WETTEST MARCH DAY EVER RECORDED. THE PREVIOUS RECORD WAS 1.20 INCHES...SET MARCH 7TH 1952.

AT SANDBERG...IT WAS THE 2ND WETTEST CALENDAR DAY EVER FOR THE MONTH OF MARCH. THE WETTEST MARCH DAY IN SANDBERG WAS MARCH 28TH 1993...WHEN 3.38 INCHES OF RAIN WAS REPORTED.

AT LOS ANGELES AIRPORT...IT WAS THE 3RD WETTEST MARCH DAY ON RECORD...BEHIND MARCH 7TH 1968 ON WHICH 3.10 INCHES OF RAIN FELL...AND MARCH 1ST 1983 ON WHICH 2.55 INCHES OF RAIN FELL.

DRY WEATHER RETURNED TO THE REGION DURING THE AFTERNOON OF THE 21ST...AND CONTINUED THROUGH THE 22ND. EARLY ON THE 23RD...ANOTHER COLD UPPER LOW DROPPED SOUTHEASTWARD INTO A POSITION OF THE NORTHERN CALIFORNIA COAST. ITS FAST MOVING FRONTAL SYSTEM CAUSED RAIN TO DEVELOP ACROSS THE CENTRAL COAST DURING THE MORNING HOURS...WITH RAIN REACHING LOS ANGELES COUNTY DURING THE AFTERNOON. RAIN ENDED IN MOST AREAS DURING THE EVENING.

SOME RAINFALL TOTALS WITH THE FAST MOVING SYSTEM INCLUDED 2.16 INCHES AT ROCKY BUTTE...1.06 INCHES AT POINT PIEDRAS BLANCAS...1.03 INCHES AT CAMBRIA...0.76 INCHES AT LAS TABLAS...0.64 INCHES AT GAVIOTA...0.52 INCHES AT LOS ANGELES AIRPORT...0.51 INCHES AT LONG BEACH AIRPORT...0.49 INCHES AT SANTA MARIA AIRPORT...0.46 INCHES AT UCLA...0.43 INCHES AT VAN NUYS AIRPORT...IN BEVERLY HILLS...IN THOUSAND OAKS...AND AT THE NATIONAL WEATHER SERVICE IN OXNARD...0.42 INCHES AT SAN LUIS OBISPO AIRPORT AND CAMARILLO AIRPORT...0.39 INCHES AT DOWNTOWN LOS ANGELES...0.38 INCHES IN PASADENA...0.37 INCHES IN NORTHRIDGE AND WOODLAND HILLS...0.32 INCHES AT BURBANK

AIRPORT...0.31 INCHES IN AGOURA HILLS...0.27 INCHES IN CLAREMONT...
0.06 INCHES AT LANCASTER AIRPORT AND 0.04 INCHES AT PALMDALE
AIRPORT.

A RECORD RAINFALL OF 0.49 INCHES WAS SET AT SANTA MARIA AIRPORT ON
THE 23RD.

ANOTHER FAST MOVING FRONTAL SYSTEM PUSHED THROUGH THE REGION ON THE
24TH...BRINGING A 4 TO 8 HOUR PERIOD OF RAIN TO THE AREA WHICH BEGAN
ON THE CENTRAL COAST DURING THE AFTERNOON...AND DURING THE LATE
EVENING ACROSS LOS ANGELES COUNTY. SCATTERED SHOWERS LINGERED INTO
THE EARLY AFTERNOON HOURS OF THE 25TH. SOME RAINFALL TOTALS FROM THE
24TH THROUGH THE 25TH INCLUDED 2.88 INCHES AT MATILIJA DAM...2.76
INCHES AT NORDHOFF RIDGE...2.72 INCHES AT WHITE LEDGE PEAK...2.24
INCHES AT OPIDS CAMP...2.12 INCHES AT ROCKY BUTTE...1.77 INCHES IN
ROSE VALLEY...1.56 INCHES IN STEWART CANYON...1.55 INCHES AT
MONTECITO HILLS...1.46 INCHES AT REFUGIO PASS...1.43 INCHES AT CAMP
NINE...1.38 INCHES AT WEST FORK HELIPORT...1.35 INCHES IN
OJAI...1.19 INCHES AT MOUNT WILSON...1.18 INCHES AT MONTE
NIDO...1.16 INCHES IN FILLMORE...0.94 INCHES AT PACOIMA DAM...0.78
INCHES AT GETTY CENTER...0.77 INCHES IN PASADENA...0.74 INCHES AT
UCLA AND IN NEWHALL...0.72 INCHES IN CLAREMONT...0.68 INCHES IN
BEVERLY HILLS...0.64 INCHES AT PASO ROBLES AIRPORT...0.62 INCHES IN
NORTHRIDGE AND AT SAN LUIS OBISPO AIRPORT...0.61 INCHES IN DOWNTOWN
LOS ANGELES...0.50 INCHES AT BURBANK AIRPORT...0.46 INCHES AT SANTA
BARBARA AIRPORT...0.39 INCHES AT VAN NUYS AIRPORT...0.36 INCHES AT
LOS ANGELES AIRPORT...0.33 INCHES AT LONG BEACH AIRPORT...0.30
INCHES AT THE NATIONAL WEATHER SERVICE IN OXNARD...0.06 INCHES AT
PALMDALE AIRPORT AND 0.04 INCHES AT LANCASTER AIRPORT.

IN THE MOUNTAINS...6 INCHES OF SNOW FELL AT MOUNT BALDY AT 6000
FEET...4 INCHES FELL AT WRIGHTWOOD AT 6000 FEET AND AT BIG PINES IN
LOS ANGELES COUNTY AT 6900 FEET...WHILE 3 INCHES OF SNOW WAS
REPORTED AT MOUNTAIN HIGH AT 6800 FEET.

ANOTHER FRONTAL SYSTEM PUSHED INTO THE REGION ON THE 26TH...
BRINGING ONE LAST SHOT OF RAIN TO THE AREA ON THE 26TH INTO THE
27TH. BY FAR...THIS BULK OF THE HEAVY RAIN WITH THIS FRONTAL SYSTEM
FELL ACROSS NORTHWESTERN SAN LUIS OBISPO COUNTY...WITH SIGNIFICANTLY
LIGHTER RAINFALL TO THE SOUTH AND EAST.

SOME RAINFALL TOTALS FROM THIS SYSTEM INCLUDED 2.44 INCHES AT ROCKY
BUTTE...1.66 AT UPPER TORO CREEK...1.10 INCHES AT CAMBRIA...0.75
INCHES AT NIPOMO...0.70 INCHES AT LAKE LOPEZ...0.67 INCHES AT WET
BIG PINT...0.58 INCHES AT LAS TABLAS...0.44 BLACK MOUNTAIN...0.40
INCHES AT SANTA MONICA AIRPORT...0.36 INCHES AT CIRCLE X RANCH...
0.35 INCHES AT UCLA...0.30 INCHES AT SAN LUIS OBISPO AIRPORT...0.26
INCHES IN CHATSWORTH...0.22 INCHES AT SANTA MARIA AIRPORT...0.19
INCHES AT VAN NUYS AIRPORT AND AT GETTY CENTER AND DOWNTOWN LOS
ANGELES...0.10 INCHES AT SANTA BARBARA AIRPORT...0.09 INCHES AT LOS
ANGELES AIRPORT...0.07 INCHES AT THE NATIONAL WEATHER SERVICE IN
OXNARD...0.06 INCHES AT BURBANK AIRPORT AND 0.05 INCHES AT LONG BEACH
AIRPORT.

LINGERING SHOWER ACTIVITY ENDED DURING THE MORNING HOURS OF THE
27TH...THEN THE WEATHER WAS DRY FOR THE REMAINDER OF THE MONTH.

A LARGE RIDGE OF HIGH PRESSURE BUILT INTO THE WEST COAST DURING THE
LAST FEW DAYS OF THE MONTH...BRINGING TEMPERATURES TO NEAR NORMAL ON
THE 28TH AND 29TH...THEN TO WELL ABOVE NORMAL LEVELS ON THE 30TH AND
31ST.

GUSTY NORTHWEST TO NORTH WINDS AFFECTED PORTIONS OF THE FORECAST AREA ON THE 29TH INTO THE 30TH. PEAK WIND GUSTS INCLUDED 70 MPH AT MONTECITO HILLS...67 MPH AT WHITAKER PEAK...61 MPH AT CHILAO...54 MPH AT CAMP NINE...51 MPH AT WILEY RIDGE...45 MPH AT NEWHALL PASS...42 MPH AT WARM SPRINGS...41 MPH IN SAUGUS...39 MPH AT FIGUEROA MOUNTAIN AND 37 MPH AT BRANCH MOUNTAIN. WINDS DIMINISHED DURING THE AFTERNOON AND EVENING OF THE 30TH.

ON THE 31ST...MANY DAILY RECORD HIGH TEMPERATURES WERE SET ACROSS THE REGION...INCLUDING 92 DEGREES AT DOWNTOWN LOS ANGELES AND UCLA...89 DEGREES AT SANTA MARIA AIRPORT AND LONG BEACH AIRPORT...88 DEGREES AT SAN LUIS OBISPO CAL POLY AND 85 DEGREES AT BOTH CAMARILLO AIRPORT AND AT THE NATIONAL WEATHER SERVICE IN OXNARD.

THE 31ST WAS THE WARMEST DAY OF THE MONTH IN MANY LOCATIONS ACROSS THE REGION. SINCE THE 1ST WAS THE COLDEST MORNING IN MANY LOCATIONS... MARCH 2011 TRULY CAME IN LIKE A LION AND WENT OUT LIKE A LAMB.

.....CLIMATE DATA FOR MARCH 2011.....

	AVG	AVG	AVG	NORM	MONTH	TOTAL	NORM	
PRECIP	HIGH	LOW	MONTH	MONTH	XTRMS	PRECIP	PRECIP	%
NORM	-----							
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L.A. DOWNTOWN	68.7	50.9	59.8	60.7	92/43	3.96	3.14	126%
L.A. ARPT	64.5	51.5	58.0	58.3	83/44	4.04	2.40	168%
LONG BEACH ARPT	69.1	50.1	59.6	59.7	89/42	2.67	2.43	110%
UCLA	68.3	50.3	59.3	58.7	92/43	6.27	3.54	177%
BURBANK ARPT	68.8	48.1	58.5	58.4	93/39	5.25	3.88	135%
WOODLAND HILLS	69.6	43.7	57.7	57.2	94/33	6.21	3.60	173%
LANCASTER ARPT	65.3	39.5	52.4	51.9	87/25	1.69	1.44	117%
SANDBERG	53.1	37.7	45.4	45.8	76/28	3.66	2.29	160%
CAMARILLO ARPT	66.5	45.6	56.0	56.7	85/36	6.63	3.04	218%
SANTA BARBARA ARPT	66.1	46.0	56.0	56.7	85/36	7.52	3.51	214%
SANTA MARIA ARPT	64.9	43.7	54.3	53.8	89/34	5.77	2.94	196%
PASO ROBLES ARPT	64.4	42.2	53.3	53.5	85/31	4.39	2.66	165%

*****APRIL
2011*****

APRIL WAS VERY DRY ACROSS MOST OF THE SOUTHLAND. ALTHOUGH RAINFALL TYPICALLY DROPS OFF SIGNIFICANTLY ACROSS THE REGION IN APRIL...THE DECREASE THIS YEAR WAS PARTICULARLY NOTICEABLE. MOST LOCATIONS IN SOUTHWESTERN CALIFORNIA IN APRIL 2011 RECEIVED 10 PERCENT OR LESS OF THEIR NORMAL RAINFALL. THE EXCEPTION WAS ACROSS NORTHERN SANTA BARBARA COUNTY AND SAN LUIS OBISPO COUNTY...AND IN THE MOUNTAINS AND DESERTS...WHERE RAINFALL AVERAGED 20 TO 40 PERCENT OF NORMAL. AT LANCASTER AIRPORT...A THUNDERSTORM PRODUCED ENOUGH RAINFALL TO SURPASS THE MONTHLY NORMAL AT THAT LOCATION.

TEMPERATURES FOR THE MONTH AVERAGED NEAR NORMAL TO ABOUT 2 DEGREES ABOVE NORMAL...EXCEPT SLIGHTLY BELOW NORMAL IN THE MOUNTAINS. ON A FEW DAYS IN APRIL...THERE WERE LIGHT FREEZES IN THE ANTELOPE VALLEY AND THE INTERIOR VALLEYS OF SAN LUIS OBISPO AND SANTA BARBARA COUNTIES.

THE MONTH STARTED OFF ON A VERY WARM NOTE...WITH HIGH TEMPERATURES BETWEEN 85 AND 90 DEGREES ON THE 1ST IN MANY COASTAL AND VALLEY LOCATIONS.

A TROUGH MOVED THROUGH THE REGION ON THE 2ND...BRINGING STRONG ONSHORE FLOW AND A RETURN TO NIGHT THROUGH MORNING LOW CLOUDS AND FOG. HIGH TEMPERATURES WERE 15 TO 20 DEGREES LOWER ON THE 2ND THAN ON THE 1ST IN MANY LOCATIONS.

ON THE 4TH...HIGH PRESSURE DROPPING INTO THE GREAT BASIN BROUGHT SOME GUSTY OFFSHORE WINDS TO THE MOUNTAINS AND VALLEYS OF VENTURA AND LOS ANGELES COUNTIES. PEAK WIND GUSTS INCLUDED 58 MPH AT WHITAKER PEAK...55 MPH AT WILEY RIDGE...51 MPH AT WARM SPRINGS... AND 36 MPH AT SIMI VALLEY AND DEL VALLE.

A COLD UPPER LOW DROPPED THROUGH THE PACIFIC NORTHWEST AND INTO CALIFORNIA ON THE 7TH. ITS ASSOCIATED FRONTAL SYSTEM BROUGHT SOME SHOWERS TO AREAS NORTH OF POINT CONCEPTION...TO PORTIONS OF LOS ANGELES COUNTY...AND TO THE MOUNTAINS AND ANTELOPE VALLEY. SOME CONVECTIVE SHOWERS DEVELOPED IN THE ANTELOPE VALLEY...AND BROUGHT SMALL HAIL AND HEAVY RAIN TO SOME AREAS...INCLUDING LANCASTER AIRPORT WHICH RECEIVED 0.49 INCHES OF RAIN ON THE 7TH. THAT WAS ENOUGH TO MAKE APRIL 7TH 2011 THE 5TH WETTEST APRIL DAY IN HISTORY AT LANCASTER AIRPORT.

IN ADDITION TO THE SHOWERS...GUSTY SOUTH TO WEST WINDS DEVELOPED ACROSS THE REGION AHEAD THE FRONT. PEAK WIND GUSTS INCLUDED 56 MPH AT LAKE PALMDALE...48 MPH AT SADDLEBACK BUTTE...47 MPH AT CHEESEBORO...46 MPH AT POPPY PARK...44 MPH AT LANCASTER AIRPORT...40 MPH AT PALMDALE AIRPORT AND 37 MPH AT OXNARD AIRPORT.

THE UPPER LOW LINGERED ACROSS LOS ANGELES COUNTY ON THE 8TH...BRINGING SCATTERED SHOWERS AND ISOLATED THUNDERSTORMS TO THE REGION. SOME SNOW WAS REPORTED IN THE MOUNTAINS AT VERY LOW ELEVATIONS FOR APRIL...DOWN IN THE 2000 TO 2500 FOOT RANGE. THE 8TH WAS A VERY CHILLY DAY FOR APRIL...WITH HIGH TEMPERATURES REMAINING IN THE 50S...EVEN IN MOST COASTAL AND VALLEY LOCATIONS.

SOME RAINFALL TOTALS ACROSS THE REGION ON THE 7TH AND 8TH INCLUDED 0.49 INCHES AT LANCASTER AIRPORT...0.36 INCHES AT FIGUEROA MOUNTAIN...0.34 INCHES AT POPPY PARK...0.32 INCHES AT WHITE LEDGE PEAK AND ROCKY BUTTE...0.31 INCHES AT SHANDON...0.29 INCHES AT BUELLTON...0.27 INCHES AT PASO ROBLES AIRPORT...0.23 INCHES AT SOLVANG...0.20 INCHES AT SAN GABRIEL DAM AND AT REFUGIO PASS...0.17 INCHES AT OPIDS CAMP AND MOUNT BALDY...0.16 INCHES AT SANDBERG...LOCKWOOD VALLEY...WEST BIG PINE AND SAN LUIS OBISPO AIRPORT...AND 0.15 INCHES AT LOMPOC.

SEVERAL RECORD LOW TEMPERATURES WERE SET ON THE 8TH AND 9TH. ON THE 8TH...THE MINIMUM TEMPERATURE OF 36 DEGREES AT CAMARILLO AIRPORT BROKE A RECORD FOR THE DATE. AT SANDBERG...THE LOW OF 22 DEGREES NOT ONLY BROKE A RECORD FOR THE DATE...BUT ALSO TIED A RECORD FOR THE ANY DATE IN APRIL. LOWS OF 22 DEGREES HAVE BEEN RECORDED AT SANDBERG IN APRIL ON JUST TWO OTHER DATES...APRIL 19TH 1967 AND APRIL 21ST 1971. LOWS OF 32 DEGREES AT PALMDALE AIRPORT...33 DEGREES AT SAN LUIS OBISPO CAL POLY AND 44 DEGREES AT SANTA MONICA AIRPORT TIED DAILY RECORDS.

ON THE 9TH...LOW TEMPERATURES OF 29 DEGREES AT LANCASTER AIRPORT AND 36 DEGREES AT CAMARILLO AIRPORT ESTABLISHED NEW DAILY

RECORDS...WHILE LOWS OF 28 DEGREES AT PALMDALE AIRPORT...41 DEGREES AT UCLA AND 43 DEGREES AT LONG BEACH AIRPORT TIED DAILY RECORDS.

ON THE 13TH...HIGH PRESSURE BUILDING ACROSS NORTHERN AND CENTRAL CALIFORNIA PRODUCED A TIGHT NORTH TO SOUTH PRESSURE GRADIENT ACROSS THE REGION. THIS RESULTED IN SOME GUSTY NORTHWEST TO NORTH WINDS... PARTICULARLY THROUGH THE INTERSTATE 5 CORRIDOR...PORTIONS OF THE ANTELOPE VALLEY AND THE SANTA CLARITA VALLEY. PEAK WIND GUSTS INCLUDED 78 MPH AT WHITAKER PEAK...52 MPH AT SAUGUS...47 MPH AT POPPY PARK AND LANCASTER AIRPORT...46 MPH AT SANDBERG...AND 44 MPH AT NEWHALL PASS.

ON THE 15TH AND 16TH...SHARP NORTH TO SOUTH PRESSURE GRADIENTS DEVELOPED ACROSS THE REGION AGAIN...BRINGING LOCALLY DAMAGING NORTH WINDS TO PORTIONS OF THE SOUTHLAND. PEAK WIND GUSTS INCLUDED 81 MPH AT WHITAKER PEAK...67 MPH AT MONTECITO HILLS...53 MPH AT CAMP NINE...52 MPH AT MALIBU HILLS...51 MPH AT SANDBERG...45 MPH AT CHEESEBORO...AND 37 MPH AT NEWHALL PASS.

THE COMBINATION OF THE NORTHERLY FLOW AND STRONG HIGH PRESSURE ALOFT BROUGHT VERY WARM CONDITIONS TO MANY COASTAL AND VALLEY LOCATIONS...WITH HIGHS NEAR OR A BIT ABOVE 90 DEGREES IN SOME OF THE WARMER SPOTS. THE HIGH TEMPERATURE OF 91 DEGREES IN DOWNTOWN LOS ANGELES ON THE 16TH ESTABLISHED A NEW RECORD FOR THE DATE.

ON THE 21ST...A WEAK COLD FRONT BROUGHT SOME LIGHT RAIN TO THE SOUTHLAND...ESPECIALLY TO AREAS NORTH OF POINT CONCEPTION. SOME RAINFALL TOTALS INCLUDED 0.31 INCHES AT ROCKY BUTTE...0.24 INCHES AT CAMBRIA...0.22 INCHES AT MORRO BAY...0.19 INCHES AT UPPER TORO CREEK...0.18 INCHES AT SAN LUIS HARBOR...0.16 INCHES AT OCEANO...0.12 INCHES AT NIPOMO AND LAKE LOPEZ AND 0.10 INCHES AT LOMPOC.

TWO MORE WEAK FRONTAL SYSTEMS PUSHED THROUGH THE REGION...ONE LATE ON THE 22ND AND EARLY ON THE 23RD...AND ANOTHER LATE ON THE 23RD INTO THE 24TH. BOTH SYSTEMS BROUGHT SOME LIGHT RAIN TO PORTIONS OF SOUTHWESTERN CALIFORNIA...MAINLY FROM VENTURA COUNTY NORTHWARD. WHERE MEASURABLE RAIN WAS REPORTED...AMOUNTS WERE GENERALLY ONE TENTH OF AN INCH OR LESS WITH EACH SYSTEM...ALTHOUGH WITH THE SECOND SYSTEM...WHITE LEDGE PEAK REPORTED 0.27 INCHES OF RAIN...WHILE CAMBRIA AND UPPER TORO CREEK REPORTED 0.12 INCHES OF RAIN.

THE REMAINDER OF THE MONTH WAS RATHER WINDY. A DRY FRONTAL SYSTEM PASSED ACROSS THE REGION LATER ON THE 25TH. BEHIND THIS SYSTEM VERY STRONG WINDS AFFECTED MUCH OF THE REGION...WITH LOCALLY DAMAGING WINDS. INITIALLY...WINDS BLEW FROM THE WEST TO NORTHWEST...AFFECTING THE ANTELOPE VALLEY AND COASTAL AREAS DURING THE AFTERNOON AND EVENING HOURS ON THE 25TH. AS WINDS SHIFTED TO A MORE NORTHERLY DIRECTION...THE FOCUS OF THE WINDS SHIFTED TO THE INTERSTATE 5 CORRIDOR...THE SANTA CLARITA AND SAN FERNANDO VALLEYS...THE SANTA MONICA MOUNTAINS...AND THROUGH AND BELOW PASSES AND CANYONS ACROSS THE SOUTH COAST OF SANTA BARBARA COUNTY.

SOME PEAK WINDS GUSTS FROM THIS AFTERNOON ON THE 25TH THROUGH THE EARLY EVENING OF THE 26TH INCLUDED 69 MPH AT WHITAKER PEAK...67 MPH AT LANCASTER AIRPORT...57 MPH AT LAKE PALMDALE...56 MPH AT SAUGUS...53 MPH AT POPPY PARK...49 MPH AT VAN NUYS AND MALIBU HILLS...47 MPH AT SANDBERG...46 MPH AT ACTON AND CHILAO...44 MPH AT NEWHALL PASS AND CAMP NINE...AND 35 MPH AT SANTA BARBARA AIRPORT. SUSTAINED WINDS OF 47 MPH WERE REPORTED AT LAS FLORES CANYON.

A FAIRLY VIGOROUS UPPER LOW DROPPED SOUTHEASTWARD FROM THE PACIFIC NORTHWEST INTO THE GREAT BASIN ON THE 29TH. AS THIS SYSTEM PASSED BY TO THE NORTHEAST...VERY STRONG TO DAMAGING NORTHWEST TO NORTH WINDS DEVELOPED ACROSS THE REGION LATE ON THE 29TH AND CONTINUED INTO THE MORNING HOURS OF THE 30TH. PEAK WIND GUSTS INCLUDED 75 MPH AT WHITAKER PEAK...72 MPH AT MONTECITO HILLS...71 MPH AT CAMP NINE...66 MPH AT MALIBU HILLS...59 MPH AT CHILAO...56 MPH AT SANDBERG...55 MPH AT CLEAR CREEK,...53 MPH AT POPPY PARK...49 MPH AT NEWHALL PASS...48 MPH AT CHEESEBORO AND LEO CARRILLO BEACH...47 MPH AT SAUGUS...AND 44 MPH AT FIGUEROA MOUNTAIN.

ONCE WINDS SHIFTED TO A MORE NORTHEASTERLY DIRECTION ON THE MORNING OF THE 30TH...WIND GUSTS REACHED 71 MPH AT WARM SPRINGS...54 MPH AT WILEY RIDGE...53 MPH AT SAUGUS...51 MPH AT NEWHALL PASS...50 MPH AT DEL VALLE...43 MPH AT CAMARILLO AIRPORT AND SIMI VALLEY...AND 38 MPH AT POINT MUGU AND PIRU.

ON THE 30TH...LOW TEMPERATURES OF 32 DEGREES AT LANCASTER AIRPORT AND 35 DEGREES AT PALMDALE AIRPORT SET NEW DAILY RECORDS.

.....CLIMATE DATA FOR APRIL 2011.....

	AVG	AVG	AVG	NORM	MONTH	TOTAL	NORM	
PRECIP	HIGH	LOW	MONTH	MONTH	XTRMS	PRECIP	PRECIP	%
NORM								
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L.A. DOWNTOWN	72.6	55.4	64.0	63.8	91/45	T	0.83	0%
L.A. ARPT	68.1	55.4	61.8	60.8	83/44	T	0.63	0%
LONG BEACH ARPT	72.0	54.4	63.2	63.0	88/43	0.05	0.60	8%
UCLA	71.9	54.7	63.3	61.3	89/41	0.00	0.86	0%
BURBANK ARPT	73.3	52.8	63.1	62.2	91/39	T	1.02	0%
LANCASTER ARPT	71.6	45.3	58.5	58.0	89/29	0.53	0.32	166%
SANDBERG	58.7	40.2	49.5	50.4	78/22	0.23	0.60	38%
CAMARILLO ARPT	69.3	48.2	58.8	58.6	84/36	0.03	0.72	4%
SANTA BARBARA ARPT	68.5	48.7	58.6	58.9	82/36	0.03	0.63	5%
SANTA MARIA ARPT	67.7	44.1	55.9	55.5	82/33	0.15	0.91	16%
PASO ROBLES ARPT	72.8	42.2	57.5	57.3	87/32	0.30	0.68	44%

*****MAY
2011*****

MAY WAS A RELATIVELY WET MONTH ACROSS SOUTHWESTERN CALIFORNIA...WITH MOST LOCATIONS REPORTING RAINFALL OF 150 TO 250 PERCENT OF NORMAL. HOWEVER...SINCE RAINFALL IS TYPICALLY LESS THAN ONE HALF AN INCH IN MOST AREAS...RELATIVELY SMALL DIFFERENCES IN RAINFALL MADE FOR LARGE DIFFERENCES IN THE PERCENTAGE OF NORMAL RAINFALL AT EACH LOCATION.

TEMPERATURES FOR THE MONTH AVERAGED 1 TO 3 DEGREES BELOW NORMAL... EXCEPT MORE THAN 4 DEGREES BELOW NORMAL IN THE ANTELOPE VALLEY AND THE MOUNTAINS. COMPARED TO APRIL...WHICH WAS GENERALLY SLIGHTLY WARMER THAN NORMAL...AVERAGE TEMPERATURES CHANGED VERY LITTLE IN MOST AREAS IN MAY. LOCAL FREEZING TEMPERATURES OCCURRED IN THE MOUNTAINS...THE ANTELOPE VALLEY AND IN THE INTERIOR VALLEYS OF SAN LUIS OBISPO COUNTY ON THE 1ST DAY OF THE MONTH.

THE MONTH STARTED OFF ON A BREEZY NOTE...THANKS TO A COLD FRONT WHICH PUSHED THROUGH THE REGION AT THE END OF APRIL. GUSTY NORTHEAST

WINDS CONTINUED ACROSS THE REGION THROUGH THE AFTERNOON OF THE 1ST. PEAK WIND GUSTS ON THE 1ST INCLUDED 56 MPH AT SANDBERG...49 MPH AT CAMP NINE...48 MPH AT WHITAKER PEAK...47 MPH AT WARM SPRINGS AND MONTECITO...46 MPH AT MALIBU HILLS AND CHILAO...39 MPH AT NEWHALL PASS...36 MPH AT LEO CARRILLO BEACH AND 35 MPH AT CAMARILLO AIRPORT.

WHERE THE WINDS DROPPED OFF...CLEAR AND VERY DRY CONDITIONS ALLOWED FOR STRONG RADIATIONAL COOLING OF THE ALREADY CHILLY AIRMASS WHICH HAD IT ORIGINS OVER THE ROCKY MOUNTAINS. THIS ALLOWED FOR A COUPLE OF RECORD LOW TEMPERATURES...INCLUDING LOWS OF 34 DEGREES AT PASO ROBLES AIRPORT AND 32 DEGREES AT LANCASTER AIRPORT...BOTH OF WHICH TIED RECORDS FOR THE DATE. EVEN MORE IMPRESSIVE IS THAT THE LOW TEMPERATURE OF 32 DEGREES AT LANCASTER AIRPORT ALSO TIED A RECORD LOW FOR THE ENTIRE MONTH OF MAY...WHICH WAS ORIGINALLY SET ON MAY 1ST 1967.

OFFSHORE FLOW DESCENDING FROM THE MOUNTAINS INTO THE COASTAL PLAIN WARMED SIGNIFICANTLY...AND IT PRODUCED ONE RECORD HIGH TEMPERATURE ON THE 1ST. AT CAMARILLO AIRPORT...THE HIGH TEMPERATURE OF 83 DEGREES BROKE THE DAILY RECORD...WHICH HAD BEEN 80 DEGREES.

UPPER LEVEL HIGH PRESSURE BROUGHT WARM WEATHER TO MOST OF THE REGION FROM THE 2ND THROUGH THE 5TH. THE WARMEST DAY OF THE ENTIRE MONTH OCCURRED ON EITHER THE 3RD OR 4TH IN MOST LOCATIONS. ON THE 4TH... THE HIGH TEMPERATURE OF 90 DEGREES AT UCLA SET A NEW RECORD FOR THE DATE...AS DID THE HIGH OF 91 DEGREES AT SAN LUIS OBISPO CAL POLY. AT SANTA MARIA AIRPORT...THE HIGH OF 90 DEGREES TIED A DAILY RECORD.

WEATHER MORE TYPICAL OF EARLY MAY RETURNED TO THE REGION ON THE 6TH...THEN A TROUGH OF LOW PRESSURE MOVING INTO THE WEST COAST BROUGHT COOLER THAN NORMAL WEATHER FROM THE 7TH THROUGH THE 9TH. INCREASINGLY STRONG ONSHORE PRESSURE GRADIENTS BROUGHT GUSTY WINDS TO THE CENTRAL COAST...THE MOUNTAINS OF LOS ANGELES AND VENTURA COUNTIES AND THE ANTELOPE VALLEY...AND THE SANTA YNEZ RANGE AND ADJACENT SOUTH COAST OF SANTA BARBARA COUNTY ON THE 8TH AND 9TH. PEAK WIND GUSTS INCLUDED 51 MPH AT LAKE PALMDALE...46 MPH AT CAMP NINE...45 MPH AT MONTECITO...44 MPH AT LANCASTER AIRPORT...40 MPH AT POPPY PARK...AND 36 MPH AT SANTA BARBARA AIRPORT.

AN UPPER LEVEL IMPULSE DROPPED SOUTHWARD INTO CALIFORNIA LATE ON THE 9TH...BRINGING A FEW SHOWERS TO THE REGION. WHERE MEASURABLE RAINFALL OCCURRED...TOTALS WERE LESS THAN ONE TENTH OF AN INCH.

THE WEATHER TURNED MORE SEASONABLE AGAIN FROM THE 11TH THROUGH THE 13TH. THEN...A LARGE UPPER LOW IN THE EASTERN PACIFIC MOVED INTO A POSITION WELL OFF THE COAST OF NORTHERN CALIFORNIA ON THE 14TH. A COLD FRONT ASSOCIATED WITH THIS SYSTEM PUSHED THROUGH THE REGION ON THE 15TH. STRONG ONSHORE FLOW AHEAD OF THE FRONT PRODUCED GUSTY WINDS ACROSS THE ANTELOPE VALLEY. PEAK WIND GUSTS INCLUDED 55 MPH AT LAKE PALMDALE...48 MPH AT POPPY PARK AND 39 MPH AT LANCASTER AIRPORT.

THE FRONT ITSELF BROUGHT SOME LATE SEASON LIGHT RAIN TO THE ENTIRE FORECAST AREA ON THE 15TH. SOME RAINFALL TOTALS INCLUDED 0.75 INCHES AT ROCKY BUTTE...0.63 INCHES AT CAMBRIA...0.52 INCHES AT LAS TABLAS...0.37 INCHES AT POINT PIEDRAS BLANCAS...0.36 INCHES AT BLACK MOUNTAIN AND CRYSTAL LAKE...0.35 INCHES AT UPPER TORO CREEK...0.34 INCHES AT PASO ROBLES AIRPORT...0.29 INCHES AT GIBRALTAR DAM...0.24 INCHES AT WEST FORK HELIPORT...OPIDS CAMP AND FIGUEROA MOUNTAIN... 0.23 INCHES AT SAN GABRIEL DAM...0.21 INCHES AT MORRO BAY AND SAN LUIS OBISPO AIRPORT...0.20 INCHES AT MONTECITO...0.15 INCHES AT LOS PRIETOS...0.14 INCHES AT SANTA MONICA AIRPORT...0.13 INCHES AT UCLA

AND PASADENA...0.11 INCHES AT SANTA BARBARA AIRPORT...LA VERNE AND AVALON...0.08 INCHES AT LOS ANGELES AIRPORT...0.07 INCHES AT DOWNTOWN LOS ANGELES...LONG BEACH AIRPORT AND IN AGOURA HILLS...0.06 INCHES AT BURBANK AIRPORT AND AT THE NATIONAL WEATHER SERVICE IN OXNARD...AND 0.05 INCHES AT LANCASTER AIRPORT. AT LONG BEACH AIRPORT...THE RAINFALL OF 0.07 INCHES ON THE 15TH BROKE A RECORD FOR THE DATE.

BEHIND THE FRONTAL SYSTEM...WEAK HIGH PRESSURE BUILT INTO THE REGION LATE ON THE 15TH INTO THE FIRST HALF OF 16TH. THE COOL AIR MASS IN THE WAKE OF THE FRONT ALLOWED FOR SOME RECORD DAILY LOW TEMPERATURES ON THE 16TH. LOW TEMPERATURES OF 32 DEGREES AT SANDBERG...42 DEGREES AT CAMARILLO AIRPORT AND 49 DEGREES AT LONG BEACH AIRPORT ALL SET NEW RECORDS FOR THE DATE...WHILE THE LOW OF 42 DEGREES AT LANCASTER AIRPORT TIED A DAILY RECORD.

ANOTHER COLD FRONT ASSOCIATED WITH AN UNSEASONABLY STRONG LATE SEASON SYSTEM BROUGHT MORE RAIN TO THE REGION LATE ON THE 16TH INTO THE 17TH. RAIN BEGAN ON THE CENTRAL COAST DURING THE AFTERNOON HOURS ON THE 16TH...THEN CONTINUED THROUGH THE EARLY MORNING OF THE 17TH. RAIN SPREAD INTO VENTURA COUNTY LATE IN THE EVENING ON THE 16TH AND INTO LOS ANGELES COUNTY DURING THE EARLY MORNING HOURS OF THE 17TH. RAIN TURNED TO SHOWERS IN MOST AREAS BY THE AFTERNOON. GUSTY SOUTH TO SOUTHWEST WINDS AFFECTED THE MOUNTAINS AND THE ANTELOPE VALLEY ON THE 17H. PEAK WIND GUSTS INCLUDED 64 MPH AT LAKE PALMDALE...52 MPH AT CAMP NINE...41 MPH AT SANDBERG...40 MPH AT CHILAO...39 MPH AT LANCASTER AIRPORT AND 37 MPH AT PALMDALE AIRPORT.

ON THE 16TH...SANTA BARBARA AIRPORT RECEIVED 0.19 INCHES OF RAIN...WHICH SET A RECORD FOR THE DATE. NUMEROUS DAILY RAINFALL RECORDS WERE SET ON THE 17TH...INCLUDING 0.26 INCHES AT LONG BEACH AIRPORT AND CAMARILLO AIRPORT.....0.25 INCHES AT LOS ANGELES AIRPORT...0.18 INCHES AT DOWNTOWN LOS ANGELES...0.16 INCHES AT BURBANK AIRPORT AND 0.15 INCHES AT SANTA BARBARA AIRPORT.

A SECOND IMPULSE ASSOCIATED WITH THE STRONG UPPER LEVEL SYSTEM BROUGHT ANOTHER ROUND OF SHOWERS TO THE REGION LATE ON THE 17TH THROUGH THE MORNING HOURS OF THE 18TH. SOME RAINFALL TOTALS FROM THE 16TH THROUGH THE 18TH INCLUDED 2.32 INCHES AT ROCKY BUTTE...1.97 INCHES AT AVALON...1.65 INCHES AT NORDHOFF RIDGE...1.24 INCHES AT SAN LUIS OBISPO AIRPORT...1.10 INCHES AT UPPER TORO CREEK...0.95 INCHES AT CAMBRIA...0.94 INCHES AT OPIDS CAMP AND STEWART CANYON...0.90 INCHES AT OLD MAN MOUNTAIN...0.89 INCHES AT LAKE CASITAS...0.88 INCHES AT SAN MARCOS PASS...0.86 INCHES AT LAS TABLAS...0.85 INCHES AT MONTECITO...0.83 INCHES AT LAKE LOPEZ AND WEST BIG PINE...0.80 INCHES AT SAN LUIS OBISPO CAL POLY...0.74 INCHES AT LONG BEACH AIRPORT...0.71 INCHES AT PIRU...REFUGIO PASS AND GIBRALTAR DAM...0.69 INCHES AT FILLMORE...0.67 INCHES AT MOORPARK...ROSE VALLEY AND FIGUEROA MOUNTAIN...0.65 INCHES AT NORTHRIDGE AND CAMP NINE...0.60 INCHES AT LOS ANGELES AIRPORT...0.59 INCHES AT CRYSTAL LAKE...0.55 INCHES AT PACOIMA DAM...0.52 INCHES AT SANTA MONICA AIRPORT...0.49 INCHES AT UCLA...0.48 INCHES AT REDONDO BEACH...GETTY CENTER AND MONTE NIDO...0.44 INCHES AT DOWNTOWN LOS ANGELES...0.41 INCHES AT HAWTHORNE...WOODLAND HILLS AND THE NATIONAL WEATHER SERVICE IN OXNARD...0.40 INCHES IN AGOURA HILLS...BEVERLY HILLS AND NEWHALL...0.38 INCHES AT SANTA BARBARA AIRPORT AND 0.28 INCHES AT BURBANK AIRPORT...AND JUST A TRACE AT LANCASTER AND PALMDALE AIRPORTS.

ON THE 18TH...LONG BEACH AIRPORT RECEIVED 0.28 INCHES OF RAINFALL...SETTING A RECORD FOR THE DATE...WHILE THE 0.19 INCHES

RECEIVED AT LOS ANGELES AIRPORT AND THE TRACE OF RAIN AT LANCASTER AIRPORT TIED DAILY RECORDS.

BEHIND THIS SECOND IMPULSE...GUSTY SOUTHWEST TO WEST WINDS AFFECTED MUCH OF THE REGION ON THE 18TH. PEAK WIND GUSTS INCLUDED 58 MPH AT WHITAKER PEAK...53 MPH AT WARM SPRINGS...50 MPH AT LANCASTER AIRPORT...48 MPH AT POPPY PARK...45 MPH AT CAMP NINE AND SANDBERG...37 MPH AT OXNARD AIRPORT...36 MPH AT LOS ANGELES AIRPORT AND CAMARILLO AIRPORT...AND 35 MPH AT SANTA MARIA AIRPORT.

GENERALLY COOL AND DRY WEATHER FOLLOWED ON THE 19TH...THEN TEMPERATURES RETURNED TO ABOUT NORMAL ON THE 20TH AND 21ST. AN UPPER LEVEL TROUGH BROUGHT A DEEP MARINE LAYER AND CONSIDERABLE COOLING TO THE REGION ON THE 22ND...WITH GENERALLY BELOW NORMAL TEMPERATURES CONTINUING FOR THE REMAINDER OF THE MONTH.

ON THE 23RD...GUSTY WINDS AFFECTED THE CENTRAL COAST...THE MOUNTAINS AND THE ANTELOPE VALLEY. PEAK WIND GUSTS INCLUDED 54 MPH AT LAKE PALMDALE...41 MPH AT POPPY PARK...39 MPH AT LOMPOC AIRPORT AND SADDLEBACK BUTTE...38 MPH AT LANCASTER AIRPORT AND AT SANDBERG...AND 37 MPH AT SANTA MARIA AIRPORT.

A STRONG TROUGH MOVED ACROSS CALIFORNIA ON THE 26TH...THEN INTO GREAT BASIN ON THE 27TH...AND ANOTHER UPPER LOW DROPPED THROUGH NORTHERN CALIFORNIA ON THE 28TH AND INTO THE GREAT BASIN ON THE 29TH. THIS BROUGHT PERIODS OF STRONG AND GUSTY WINDS TO MUCH OF THE REGION FROM THE 26TH THROUGH THE 29TH...ALONG WITH WELL BELOW NORMAL TEMPERATURES.

ON THE 29TH...A WEAKENING FRONTAL SYSTEM BROUGHT SOME LIGHT AMOUNTS OF MEASURABLE RAIN TO PORTIONS OF THE FORECAST AREA. RAINFALL TOTALS WERE ONE TENTH OF AN INCH OR LESS...WITH LOCALLY HIGHER TOTALS INCLUDING 0.32 INCHES AT BLACK MOUNTAIN...0.20 INCHES AT LOMPOC AIRPORT...AND 0.11 INCHES AT VANDENBERG AFB.

NEW DAILY RAINFALL RECORDS FOR THE 29TH INCLUDED 0.04 INCHES AT LONG BEACH AIRPORT...0.02 INCHES AT SANDBERG...AND 0.01 INCHES AT PASO ROBLES AND SANTA MARIA AIRPORTS. THE TRACE OF RAIN RECORDED AT LANCASTER AIRPORT TIED A DAILY RECORD. IT WAS VERY CHILLY ON THE 29TH. HIGH TEMPERATURES OF 60 DEGREES AT LANCASTER AND PALMDALE AIRPORTS BOTH SET NEW DAILY RECORDS FOR LOWEST MAXIMUM TEMPERATURES.

SOME PEAK WIND GUSTS FROM THE 27TH THROUGH THE 29TH INCLUDED 64 MPH AT CAMP NINE...57 MPH IN THE CITY OF LANCASTER...56 MPH AT SAUGUS...55 MPH AT LAKE PALMDALE...51 MPH AT PORT HUENEME AND WHITAKER PEAK...49 MPH AT POPPY PARK...48 MPH AT MALIBU HILLS...47 MPH AT LANCASTER AIRPORT...45 MPH AT POINT MUGU...43 MPH AT PALMDALE AIRPORT...SADDLEBACK BUTTE AND SANDBERG...41 MPH AT SANTA MARIA AIRPORT AND MONTECITO HILLS...40 MPH AT BURBANK AIRPORT AND CAMARILLO AIRPORT...39 MPH AT OXNARD AIRPORT...SANTA BARBARA AIRPORT AND VANDENBERG AFB...38 MPH AT LOMPOC AIRPORT...37 MPH AT VAN NUYS AIRPORT AND 36 MPH AT SAN LUIS OBISPO AIRPORT. SUSTAINED WINDS OF 42 MPH WERE RECORDED AT LAS FLORES CANYON.

IN THE COLD AIRMASS BEHIND THE FRONT...SOME NEW DAILY RECORD LOWS WERE SET ON THE 30TH AND 31ST. NEW RECORD LOWS ON THE 30TH INCLUDED 44 DEGREES AT CAMARILLO AIRPORT AND 38 DEGREES AT PASO ROBLES AIRPORT. ON THE 31ST...NEW RECORD LOWS INCLUDED 35 DEGREES AT PASO ROBLES AIRPORT AND 41 DEGREES AT SAN LUIS OBISPO CAL POLY...WHILE THE LOW OF 41 DEGREES AT PALMDALE AIRPORT TIED A DAILY RECORD. THE LOW OF 35 DEGREES AT PASO ROBLES AIRPORT WAS THE LOWEST

TEMPERATURE EVER RECORDED SO LATE IN THE SEASON.

.....CLIMATE DATA FOR MAY
2011.....

	AVG	AVG	AVG	NORM	MONTH	TOTAL	NORM	
PRECIP	HIGH	LOW	MONTH	MONTH	XTRMS	PRECIP	PRECIP	%
NORM	-----							
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L.A. DOWNTOWN	73.6	56.0	64.8	66.2	93/51	0.45	0.31	145%
L.A. ARPT	68.7	56.2	62.4	63.1	87/51	0.53	0.24	221%
LONG BEACH ARPT	72.8	55.1	64.0	65.9	93/49	0.66	0.23	287%
UCLA	70.8	54.6	62.7	62.9	90/47	0.64	0.34	188%
BURBANK ARPT	73.8	53.5	63.6	65.9	93/47	0.38	0.37	103%
WOODLAND HILLS	75.6	48.3	62.0	65.2	95/41	0.48	0.32	150%
LANCASTER ARPT	76.1	47.6	61.8	66.1	93/32	0.05	0.12	42%
SANDBERG	62.8	43.7	53.2	57.4	82/32	0.26	0.28	93%
CAMARILLO ARPT	70.1	48.4	59.2	60.5	86/42	0.45	0.21	214%
SANTA BARBARA ARPT	69.2	49.3	59.2	60.9	84/46	0.55	0.23	239%
SANTA MARIA ARPT	68.8	45.0	56.9	57.8	90/38	0.38	0.32	119%
PASO ROBLES ARPT	76.8	43.5	60.2	63.3	94/34	0.79	0.23	343%

*****JUNE
2011*****

ACROSS LOS ANGELES COUNTY AND MOST OF VENTURA COUNTY...RAINFALL FOR THE MONTH OF JUNE WAS BELOW NORMAL...WHICH IS GENERALLY JUST A FEW HUNDREDTHS OF AN INCH. HOWEVER...IT WAS AN UNUSUALLY WET JUNE ACROSS MUCH OF SANTA BARBARA COUNTY AND SAN LUIS OBISPO COUNTY...WITH RAINFALL MORE THAN 10 TIMES WHAT IS NORMAL FOR THE MONTH IN MANY AREAS. JUNE 2011 WAS THE WETTEST ON RECORD AT SANTA BARBARA AIRPORT. IT TIED AS THE WETTEST ON RECORD AT PASO ROBLES AIRPORT AND WAS THE 4TH WETTEST JUNE ON RECORD AT SANTA MARIA AIRPORT.

IN GENERAL...JUNE 2011 WAS A RATHER COOL MONTH. TEMPERATURES FOR THE MONTH AVERAGED 1 TO 3 DEGREES BELOW NORMAL ACROSS MOST OF THE REGION. WHILE IT WAS NOT AN EXCEPTIONALLY CHILLY MONTH...IT WAS CONSISTENTLY COOL...ESPECIALLY IN THE LOS ANGELES BASIN. IN DOWNTOWN LOS ANGELES...THE AVERAGE DAILY TEMPERATURE ON EVERY SINGLE DAY OF THE MONTH WAS BELOW NORMAL. AT LOS ANGELES AIRPORT...EVERY DAY EXCEPT FOR THE 30TH HAD BELOW NORMAL TEMPERATURES...WITH THE AVERAGE TEMPERATURE ON THE 30TH EXACTLY NORMAL FOR THE DATE. AVERAGE DAILY TEMPERATURES WERE BELOW NORMAL ON 27 DAYS AT LONG BEACH AIRPORT AND AT BURBANK AIRPORT.

THE MONTH BEGAN ON A COOL NOTE. AT PASO ROBLES AIRPORT...LOW TEMPERATURES DROPPED TO 40 DEGREES ON THE 1ST AND 39 DEGREES ON THE 2ND...WITH THE LATTER READING JUST ONE DEGREE SHY OF THE RECORD. EVEN ON THE CENTRAL COAST...LOW TEMPERATURES DROPPED INTO THE LOWER 40S ON THE 2ND...INCLUDING 42 DEGREES AT SANTA MARIA AIRPORT.

A ROUND OF GUSTY NORTHWEST WINDS AFFECTED THE INTERSTATE 5 CORRIDOR...THE CENTRAL COAST...THE SANTA YNEZ RANGE AND THE ADJACENT SOUTH COAST OF SANTA BARBARA COUNTY ON THE 2ND INTO THE 3RD. PEAK WIND GUSTS INCLUDED 52 MPH AT WHITAKER PEAK...47 MPH AT MONTECITO HILLS...43 MPH AT SAUGUS...42 MPH AT CAMP NINE...41 MPH AT SANDBERG...36 MPH AT SANTA MARIA AIRPORT AND SAN LUIS OBISPO

AIRPORT...33 MPH AT SANTA BARBARA AIRPORT...AND 32 MPH AT VANDENBERG AIR FORCE BASE.

AN UNUSUALLY STRONG AND COLD LATE SEASON UPPER LOW DROPPED SOUTHEASTWARD THROUGH THE EASTERN PACIFIC ON THE 3RD...REACHING A POSITION ABOUT 400 MILES WEST OF SAN FRANCISCO BY LATE AFTERNOON. THIS SYSTEM TAPPED INTO SOME SUBTROPICAL MOISTURE OVER THE PACIFIC... WHICH IS VERY UNCOMMON IN THE MONTH OF JUNE. ITS FRONTAL SYSTEM CAUSED RAIN TO SPREAD INTO SAN LUIS OBISPO COUNTY AND SANTA BARBARA COUNTY EARLY ON THE 4TH...THEN IT REMAINED NEARLY STATIONARY... PRODUCING PERIODS OF RAIN...SOME OF WHICH WAS HEAVY AT TIMES. THE FRONT FINALLY PUSHED SLOWLY EASTWARD LATE ON THE 4TH INTO THE 5TH...ALLOWING RAIN TO SPREAD INTO VENTURA COUNTY. THE SYSTEM WEAKENED AS IT MOVED EASTWARD...BRINGING VERY LITTLE RAIN TO LOS ANGELES COUNTY. THE CENTER OF THE UPPER LOW PUSHED ACROSS THE REGION LATE ON THE 5TH INTO THE 6TH...BRINGING AN ADDITIONAL BAND OF RAIN AND SHOWERS...MAINLY TO SAN LUIS OBISPO AND SANTA BARBARA COUNTIES. SOME OF THESE SHOWERS WERE ON THE HEAVY SIDE.

AHEAD OF THE FRONT...GUSTY SOUTHEAST TO SOUTH WINDS AFFECTED PORTIONS OF THE REGION ON THE 4TH. PEAK WIND GUSTS INCLUDED 46 MPH AT LAKE PALMDALE...41 MPH AT POPPY PARK...38 MPH AT VANDENBERG AIR FORCE BASE...37 MPH AT CHILAO...35 MPH AT SANTA MARIA AIRPORT...CAMP NINE...AND MALIBU CANYON....34 MPH AT CARRIZO...32 MPH AT PASO ROBLES AIRPORT AND NEWHALL PASS...AND 31 MPH AT LOMPOC AIRPORT.

THE RAIN BROKE SEVERAL PRECIPITATION RECORDS ACROSS THE REGION. ON THE 4TH...DAILY RAINFALL OF 0.14 INCHES AT SANTA BARBARA AIRPORT...0.08 INCHES AT PASO ROBLES AIRPORT AND 0.05 INCHES AT SANTA MARIA AIRPORT ALL BROKE RECORDS FOR THE DATE. PREVIOUS DAILY RECORDS WERE 0.04 INCHES...0.04 INCHES AND 0.03 INCHES RESPECTIVELY...ALL SET IN 1993.

ON THE 5TH...A DAILY RAINFALL RECORD OF 0.15 INCHES WAS SET AT SANTA MARIA AIRPORT...BREAKING THE PREVIOUS RECORD OF 0.02 INCHES...AND A DAILY RECORD OF 0.17 INCHES WAS SET AT PASO ROBLES AIRPORT... BREAKING ITS PREVIOUS RECORD OF 0.01 INCHES.

AT SANTA BARBARA AIRPORT...WHICH RECEIVED A HEAVY BAND OF RAIN DURING THE EARLY MORNING HOURS...1.24 INCHES OF RAIN WAS REPORTED ON THE 5TH. THIS BROKE A RECORD NOT ONLY FOR THE DATE...BUT ALSO FOR ANY DAY DURING THE MONTH OF JUNE. THE PREVIOUS RECORD HAD ALSO BEEN SET ON JUNE 5TH...IN 2009...WHEN 0.51 INCHES OF RAIN WAS RECORDED. IN FACT...RAINFALL ON JUNE 5TH 2011 AT SANTA BARBARA AIRPORT SURPASSED THE GREATEST AMOUNT OF RAIN RECEIVED AT THAT STATION DURING THE ENTIRE MONTH OF JUNE...WHICH WAS 0.51 INCHES IN JUNE 2009.

ON THE 6TH...RAINFALL OF 0.39 INCHES AT SANTA MARIA AIRPORT BROKE ITS RECORD FOR THE DATE...WHICH HAD BEEN 0.10 INCHES IN 1952...WHILE RAINFALL OF 0.04 INCHES AT SANTA BARBARA AIRPORT BROKE ITS DAILY RECORD OF 0.03 INCHES SET IN 1998. AT CAMARILLO AIRPORT...IT WAS THE FIRST TIME RAINFALL WAS RECORDED ON JUNE 6TH...WITH 0.07 INCHES THE FINAL TOTAL FOR THE DAY.

SOME RAINFALL TOTALS FOR THE LATE SEASON STORM SYSTEM FROM THE 4TH THROUGH THE 6TH INCLUDED 3.94 INCHES AT ROCKY BUTTE...2.64 INCHES AT REFUGIO PASS...1.89 INCHES AT CAMBRIA...1.77 INCHES AT SAN MARCOS PASS...1.55 INCHES AT POINT PIEDRAS BLANCAS...1.54 INCHES AT LAS TABLAS...1.47 INCHES AT SANTA BARBARA AIRPORT...1.31 INCHES AT SAN LUIS OBISPO CAL POLY...1.26 INCHES AT SUDDEN PEAK...1.20 INCHES AT GAVIOTA...1.18 INCHES AT UPPER TORO CREEK...1.14 INCHES AT PISMO

BEACH...1.10 INCHES AT MONTECITO HILLS...1.07 INCHES AT NORDHOFF
RIDGE...0.97 INCHES AT LAKE LOPEZ...0.95 INCHES AT OLD MAN
MOUNTAIN...0.94 INCHES AT SAN LUIS HARBOR...0.80 INCHES AT
LOMPOC...0.75 INCHES AT MOUNT CAVALRY...0.69 INCHES AT VANDENBERG
AIR FORCE BASE...0.67 INCHES AT TWITCHELL DAM AND WEST BIG
PINE...0.63 INCHES AT ROSE VALLEY...0.61 INCHES AT MORRO BAY...0.59
INCHES AT NIPOMO...0.58 INCHES AT SANTA MARIA AIRPORT AND AT
FIGUEROA MOUNTAIN...0.56 INCHES AT BLACK MOUNTAIN...0.50 INCHES AT
SOLVANG...0.43 INCHES AT LA CONCHITA...0.28 INCHES AT PASO ROBLES
AIRPORT...0.23 INCHES AT OJAI...0.16 INCHES AT THE NATIONAL WEATHER
SERVICE IN OXNARD...0.14 INCHES IN VENTURA...0.12 INCHES AT SAN
GABRIEL DAM...0.11 INCHES AT CRYSTAL LAKE...0.07 INCHES AT CAMP
NINE...0.04 INCHES AT PACOIMA DAM AND POMONA...0.03 INCHES AT
PASADENA AND JUST A TRACE AT DOWNTOWN LOS ANGELES...AND BURBANK AND
VAN NUYS AIRPORTS.

AFTER THAT UPPER LEVEL LOW MOVED OUT OF THE REGION...A MORE TYPICAL
JUNE PATTERN SET UP OVER SOUTHWESTERN CALIFORNIA...WITH NIGHT
THROUGH MORNING LOW CLOUDS IN COASTAL AND VALLEY AREAS. AN UPPER
TROUGH PASSING TO THE NORTH OF THE REGION CAUSED THE MARINE LAYER TO
DEEPEN TO ABOUT 4000 FEET DURING THE MORNING OF THE 12TH. SOME LOCAL
DRIZZLE WAS REPORTED IN COASTAL AND VALLEY AREAS OF VENTURA AND LOS
ANGELES COUNTIES. THE TRACE OF RAIN RECORDED AT LONG BEACH AIRPORT
TIED A RECORD FOR THE DATE.

THE WEATHER FINALLY BEGAN TO WARM UP ACROSS INTERIOR SECTIONS DURING
THE MIDDLE OF THE MONTH. ON THE 14TH...HIGH TEMPERATURES REACHED 99
DEGREES AT LANCASTER AIRPORT AND PASO ROBLES AIRPORT...AND BOTH
LOCATIONS REACHED 95 DEGREES ON THE 15TH. THOSE TEMPERATURES ARE
CERTAINLY NOT UNUSUAL FOR JUNE...BUT JUNE 14TH WAS THE WARMEST DAY
AT PASO ROBLES AIRPORT SINCE OCTOBER 14TH 2010...AND AT LANCASTER
AIRPORT SINCE SEPTEMBER 28TH 2010.

VERY COOL WEATHER RETURNED TO THE REGION FROM THE 16TH THROUGH THE
18TH AS AN UPPER LEVEL TROUGH TOOK UP RESIDENCE ALONG THE WEST
COAST. THE MARINE LAYER BECAME VERY DEEP ONCE AGAIN...AND PRODUCE
SOME DRIZZLE AND VERY LIGHT RAIN ON THE 17TH. RAINFALL OF 0.02
INCHES WAS REPORTED AT LOS ANGELES AIRPORT...WHICH BROKE THE OLD
RECORD FOR THE DATE OF 0.01 INCHES...SET IN 1982. AT LONG BEACH
AIRPORT...THE TRACE OF RAIN TIED A RECORD FOR THE DATE. DOWNTOWN LOS
ANGELES RECEIVED ITS ONLY MEASURABLE RAIN OF THE MONTH DURING THE
MORNING OF THE 17TH...WHEN 0.01 INCHES OF RAIN WAS RECORDED. THIS
FELL SHORT OF THE DAILY RECORD OF 0.02 INCHES SET IN 1890.

AN UPPER LEVEL RIDGE BROUGHT A WIDESPREAD WARMUP TO THE REGION FROM
THE 20TH THROUGH THE 23RD. AT PASO ROBLES AIRPORT...MAXIMUM
TEMPERATURES REACHED 100 DEGREES OR HIGHER FROM THE 20TH THROUGH THE
22ND...PEAKING AT 104 DEGREES ON THE 21ST...WHILE THE TEMPERATURE
AT LANCASTER AIRPORT PEAKED AT 103 DEGREES ON THE 21ST. HIGH
TEMPERATURES REACHED 98 DEGREES AT WOODLAND HILLS ON BOTH THE 20TH
AND 21ST. THE MAXIMUM TEMPERATURE OF 91 DEGREES AT BURBANK AIRPORT
ON THE 21ST WAS THE HIGHEST OF THE MONTH...AND THE ONLY DAY IN JUNE
2011 ON WHICH THE TEMPERATURE REACHED OR EXCEEDED 90 DEGREES. A
PERSISTENT MARINE LAYER KEPT IT RATHER COOL ON THE COASTAL PLAIN.
DOWNTOWN LOS ANGELES ONLY REACHED 80 DEGREES DURING THIS STRETCH
AND LOS ANGELES AIRPORT TOPPED OUT AT JUST 70 DEGREES.

THE HEAT BEGAN TO WANE ACROSS INTERIOR SECTIONS OF SOUTHWESTERN
CALIFORNIA ON THE 23RD...THEN NEAR NORMAL TEMPERATURES PREVAILED FOR
THE REMAINDER OF THE MONTH. INTERESTINGLY...AS INTERIOR SECTIONS
COOLED A BIT...WEAKENING ONSHORE FLOW AND LESS WIDESPREAD NIGHT

THROUGH MORNING LOW CLOUDS AND FOG ALLOWED FOR SOME WARMING ACROSS THE COASTAL PLAIN. THE HIGHEST TEMPERATURE OF THE MONTH AT DOWNTOWN LOS ANGELES WAS 82 DEGREES...RECORDED ON THE 27TH...WHILE SANTA BARBARA AIRPORT REACHED ITS HIGH FOR THE MONTH OF 79 DEGREES ON THE 29TH. MAXIMUM TEMPERATURES FOR THE MONTH AT MOST OTHER COASTAL LOCATIONS WERE RECORDED ON THE 30TH...INCLUDING 83 DEGREES AT LONG BEACH AIRPORT...81 DEGREES AT CAMARILLO AIRPORT...78 DEGREES AT SANTA MARIA AIRPORT AND 74 DEGREES AT LOS ANGELES AIRPORT.

JUNE 2011 WILL GO DOWN IN THE RECORD BOOKS AS THE WETTEST ON RECORD AT SANTA BARBARA AIRPORT. THE MONTHLY TOTAL OF 1.45 INCHES WAS NEARLY TRIPLE THAT OF THE PREVIOUS RECORD...WHICH WAS 0.51 INCHES IN 2009. AT PASO ROBLES AIRPORT...THE MONTHLY TOTAL OF 0.30 INCHES PLACED IT IN A TIE WITH JUNE 1995 AS THE WETTEST ON RECORD. AT SANTA MARIA AIRPORT...RAINFALL FOR THE MONTH TOTALED 0.59 INCHES...MAKING IT THE 4TH WETTEST JUNE ON RECORD...BEHIND JUNE 1933 WITH 1.96 INCHES OF RAIN...JUNE 1934 WITH 1.30 INCHES OF RAIN AND JUNE 1995 WITH 0.86 INCHES OF RAIN.

.....CLIMATE DATA FOR JUNE 2011.....

	AVG	AVG	AVG	NORM	MONTH	TOTAL	NORM	
PRECIP	HIGH	LOW	MONTH	MONTH	XTRMS	PRECIP	PRECIP	%
NORM								

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L.A. DOWNTOWN	74.5	59.0	66.7	70.5	82/54	0.01	0.06	17%
L.A. ARPT	68.9	58.7	63.8	66.4	74/53	0.02	0.08	25%
LONG BEACH ARPT	73.4	59.2	66.3	69.8	83/52	0.01	0.08	13%
UCLA	71.8	56.5	64.2	66.3	80/51	0.04	0.11	36%
BURBANK ARPT	77.2	57.1	67.2	70.8	91/51	T	0.12	0%
WOODLAND HILLS	84.6	54.0	69.3	71.0	98/45	0.00	0.07	0%
LANCASTER ARPT	87.5	58.6	73.0	74.8	103/45	0.02	0.05	40%
SANDBERG	74.0	52.6	63.3	67.0	92/36	T	0.07	0%
CAMARILLO ARPT	72.5	54.9	63.7	63.3	81/47	0.08	0.05	160%
SANTA BARBARA ARPT	67.1	53.0	60.1	64.2	79/47	1.45	0.05	2900%
SANTA MARIA ARPT	68.6	51.3	59.9	60.9	78/42	0.59	0.05	1180%
PASO ROBLES ARPT	85.0	50.0	67.5	69.4	104/39	0.30	0.02	1500%

THE FOLLOWING IS A TABLE OF TOTAL RAINFALL FOR THE WATER YEAR FROM JULY 1ST 2010 THROUGH JUNE 30TH 2011...NORMAL RAINFALL FOR THE SEASON...AND PERCENT OF NORMAL SEASONAL RAIN FOR SOME SELECTED LOCATIONS IN SOUTHWESTERN CALIFORNIA

	TOTAL RAIN 7/1/10-6/30/11	NORMAL RAIN 7/1-6/30	PERCENT OF NORMAL
	-----	-----	-----
PASO ROBLES AIRPORT	17.56	13.08	134%
SANTA MARIA AIRPORT	23.49	14.01	168%
SANTA BARBARA AIRPORT	28.64	16.93	169%
JUNCAL DAM	37.65	31.15	121%

CACHUMA LAKE	31.21	21.86	143%
OXNARD	22.34	15.62	143%
CAMARILLO	21.58	15.62	138%
OJAI	24.49	21.79	112%
L.A. AIRPORT	17.85	13.15	136%
L.A. DOWNTOWN	20.20	15.14	133%
LONG BEACH	18.77	12.94	145%
UCLA	24.96	18.68	134%
BURBANK	19.72	17.49	113%
WOODLAND HILLS	18.10	17.79	102%
SANDBERG	13.90	12.60	110%
LANCASTER	9.90	7.40	134%
PALMDALE	7.73	7.36	105%

*****DOWNTOWN LOS ANGELES CLIMATE SUMMARY FOR THE 2010-2011
SEASON*****

(TEMPERATURE AND PRECIPITATION NORMALS ARE TAKEN FROM THE 30-YEAR
NORMALS FROM THE 1971-2000 PERIOD)

PRECIPITATION IN INCHES

	TEMPERATURES			TEMP EXTREMES	PRECIPITATION		
	AVG	AVG	AVG		ACTUAL	NORMAL	% NORMAL
	MAX	MIN					
JULY	79.4	64.3	71.9	95/61	T	0.01	0 %
NORMAL	83.8	64.6	74.2				
AUGUST	83.2	64.0	73.6	98/59	0.00	0.13	0 %
NORMAL	84.8	65.6	75.2				
SEPTEMBER	84.3	63.7	74.0	113/58	0.00	0.32	0 %
NORMAL	83.3	64.6	74.0				
OCTOBER	76.4	62.3	69.3	93/54	0.94	0.37	254 %
NORMAL	79.0	59.9	69.5				
NOVEMBER	71.5	51.0	61.3	97/39	0.53	1.05	50 %
NORMAL	73.2	52.6	62.9				
DECEMBER	66.3	49.9	58.1	85/37	10.23	1.91	536 %
NORMAL	68.7	48.3	58.5				
JANUARY	70.1	48.8	59.4	84/43	0.79	3.33	24 %
NORMAL	68.1	48.5	58.3				
FEBRUARY	65.0	46.2	55.6	80/39	3.29	3.68	89 %
NORMAL	69.6	50.3	60.0				
MARCH	68.7	50.9	59.8	92/43	3.96	3.14	126 %

	NORMAL	69.8	51.6	60.7				
APRIL		72.6	55.4	64.0	91/45	T	0.83	0 %
	NORMAL	73.1	54.4	63.8				
MAY		73.6	56.0	64.8	93/51	0.45	0.31	145 %
	NORMAL	74.5	57.9	66.2				
JUNE		74.5	59.0	66.7	82/54	0.01	0.06	17 %
	NORMAL	79.5	61.4	70.5				
SEASON		73.8	56.0	64.9	113/37	20.20	15.14	133 %
	NORMAL	75.6	56.6	66.1				

* WEATHER RECORDS HAVE BEEN KEPT FOR DOWNTOWN LOS ANGELES SINCE JULY 1877.

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BRUNO